



STREAM FLOW DATA for COLORADO

Compiled by
the Hydrographic
Branch

Edited by
Thomas Ley



Water Year 2006

Grape Creek near Westcliffe CO



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PLATTE RIVER BASIN

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR

LOCATION.--Lat 38°33'26", long 105°53'22", Park County, Hydrologic Unit 10190001, on left bank about 400 ft below Antero Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--185 sq. mi.; 1976 to current year.

GAGE.--Concrete shelter and well with satellite monitoring (DCP and shaft encoder) and a continuous chart recorder at a sharp-crested Cipolletti weir with broad-crested concrete overflow walls. Primary reference gage is an electric tape. Gage is owned and maintained by the Denver Water Dept.

REMARKS.--Primary record at the gage is hourly data taken from satellite readings, with chart record backup. The chart agrees with the satellite data within 0.01 ft. The record is complete and reliable. Record is rated good. Station operated by Denver Water and record developed by Garver Brown.

RATING TABLE.--MOD10FTCIP USED FROM 01-OCT-2005 TO 30-SEP-2006

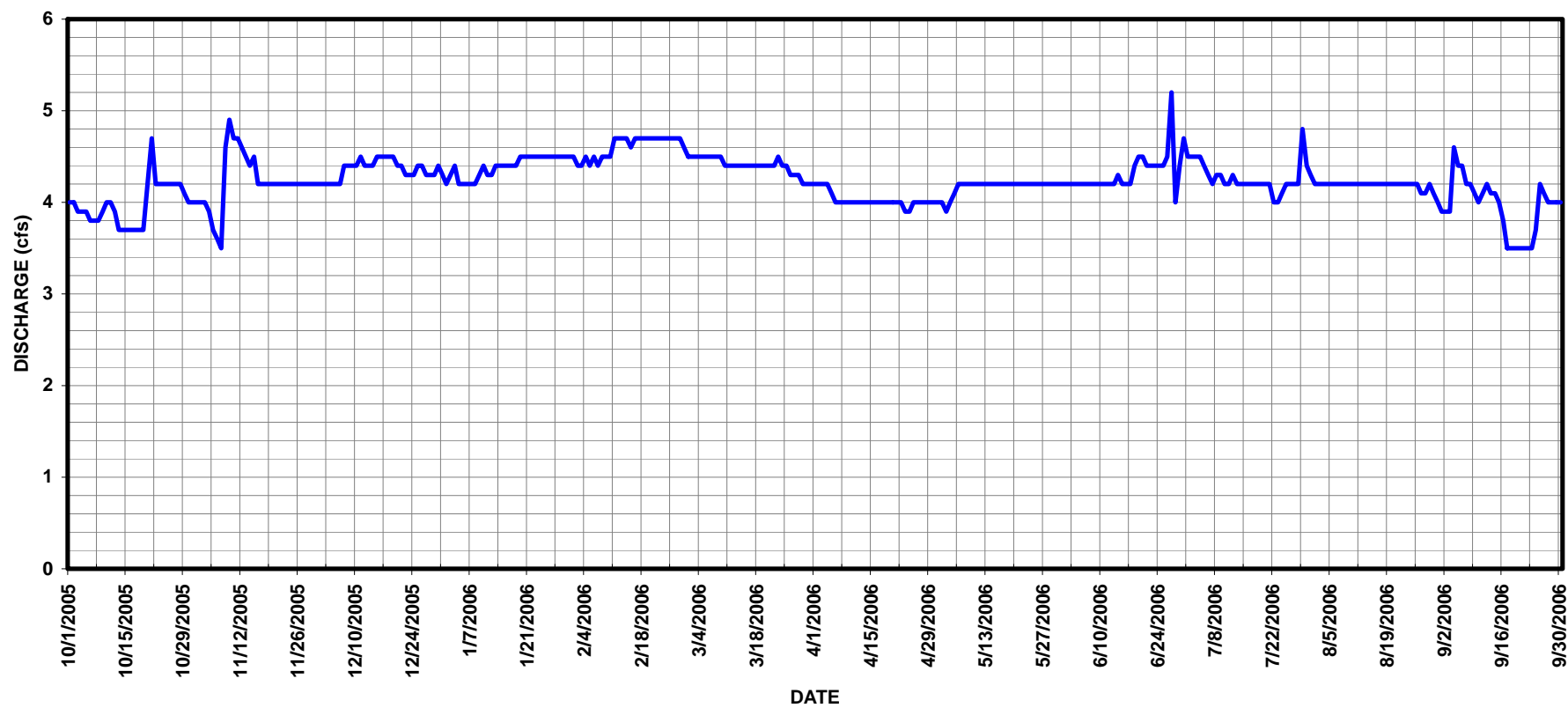
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.0	4.2	4.2	4.5	4.5	4.2	4.0	4.2	4.5	4.2	3.9
2	4.0	4.0	4.2	4.3	4.4	4.5	4.2	4.0	4.2	4.5	4.2	3.9
3	3.9	4.0	4.2	4.4	4.4	4.5	4.2	3.9	4.2	4.5	4.2	3.9
4	3.9	3.9	4.2	4.2	4.5	4.5	4.2	4.0	4.2	4.5	4.2	4.6
5	3.9	3.7	4.2	4.2	4.4	4.5	4.1	4.1	4.2	4.4	4.2	4.4
6	3.8	3.6	4.2	4.2	4.5	4.5	4.0	4.2	4.2	4.3	4.2	4.4
7	3.8	3.5	4.4	4.2	4.4	4.5	4.0	4.2	4.2	4.2	4.2	4.2
8	3.8	4.6	4.4	4.2	4.5	4.5	4.0	4.2	4.2	4.3	4.2	4.2
9	3.9	4.9	4.4	4.3	4.5	4.5	4.0	4.2	4.2	4.3	4.2	4.1
10	4.0	4.7	4.4	4.4	4.5	4.4	4.0	4.2	4.2	4.2	4.2	4.0
11	4.0	4.7	4.5	4.3	4.7	4.4	4.0	4.2	4.2	4.2	4.2	4.1
12	3.9	4.6	4.4	4.3	4.7	4.4	4.0	4.2	4.2	4.3	4.2	4.2
13	3.7	4.5	4.4	4.4	4.7	4.4	4.0	4.2	4.2	4.2	4.2	4.1
14	3.7	4.4	4.4	4.4	4.7	4.4	4.0	4.2	4.3	4.2	4.2	4.1
15	3.7	4.5	4.5	4.4	4.6	4.4	4.0	4.2	4.2	4.2	4.2	4.0
16	3.7	4.2	4.5	4.4	4.7	4.4	4.0	4.2	4.2	4.2	4.2	3.8
17	3.7	4.2	4.5	4.4	4.7	4.4	4.0	4.2	4.2	4.2	4.2	3.5
18	3.7	4.2	4.5	4.4	4.7	4.4	4.0	4.2	4.4	4.2	4.2	3.5
19	3.7	4.2	4.5	4.5	4.7	4.4	4.0	4.2	4.5	4.2	4.2	3.5
20	4.2	4.2	4.4	4.5	4.7	4.4	4.0	4.2	4.5	4.2	4.2	3.5
21	4.7	4.2	4.4	4.5	4.7	4.4	4.0	4.2	4.4	4.2	4.2	3.5
22	4.2	4.2	4.3	4.5	4.7	4.4	4.0	4.2	4.4	4.0	4.2	3.5
23	4.2	4.2	4.3	4.5	4.7	4.5	3.9	4.2	4.4	4.0	4.2	3.5
24	4.2	4.2	4.3	4.5	4.7	4.4	3.9	4.2	4.4	4.1	4.2	3.7
25	4.2	4.2	4.4	4.5	4.7	4.4	4.0	4.2	4.4	4.2	4.2	4.2
26	4.2	4.2	4.4	4.5	4.7	4.3	4.0	4.2	4.5	4.2	4.2	4.1
27	4.2	4.2	4.3	4.5	4.7	4.3	4.0	4.2	5.2	4.2	4.1	4.0
28	4.2	4.2	4.3	4.5	4.6	4.3	4.0	4.2	4.0	4.2	4.1	4.0
29	4.1	4.2	4.3	4.5	---	4.2	4.0	4.2	4.4	4.8	4.2	4.0
30	4.0	4.2	4.4	4.5	---	4.2	4.0	4.2	4.7	4.4	4.1	4.0
31	4.0	---	4.3	4.5	---	4.2	---	4.2	---	4.3	4.0	---
TOTAL	123.2	126.6	135.1	136.1	129.0	136.5	120.7	129.2	129.7	132.4	129.7	118.4
MEAN	3.97	4.22	4.36	4.39	4.61	4.40	4.02	4.17	4.32	4.27	4.18	3.95
AC-FT	244	251	268	270	256	271	239	256	257	263	257	235
MAX	4.7	4.9	4.5	4.5	4.7	4.5	4.2	4.2	5.2	4.8	4.2	4.6
MIN	3.7	3.5	4.2	4.2	4.4	4.2	3.9	3.9	4.0	4.0	4.0	3.5
CAL YR	2005	TOTAL	1543.3	MEAN	4.23	MAX	6.1	MIN	3.1	AC-FT	3061	
WTR YR	2006	TOTAL	1546.6	MEAN	4.24	MAX	5.2	MIN	3.5	AC-FT	3070	

MAX DISCH: 73.3 CFS AT 11:00 ON Jun. 27, 2006 GH 1.68 FT. SHIFT 0 FT.
MAX GH: 1.68 FT. AT 11:00 ON Jun. 27, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06694650 SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR, CO

LOCATION.--Lat 38°59'10", long 105°40'52" in NE1/4 Sec 21, T. 12S, R. 74W, Park County, 3.3 miles below the confluence of the Middle and South Forks of the South Platte River, and 7 miles southeast of Hartsel, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--772 sq. mi.; 1983 to current year.

GAGE.--Graphic water-stage recorder and satellite monitoring (Sutron Satlink 2 DCP and shaft encoder) at a 25-foot concrete Parshall flume with a wooden shelter and concrete well with inside electric tape gage and in-flume staff gage. Gage is operated and equipment is maintained by the city of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete except for November 15, 2005 to April 12, 2006 when the DCP was shut down for the winter. Gage height was possibly affected by ice during the period October 31 to November 15, 2005. Satellite daily gage heights agree with chart data to ±0.02 ft. Encoder calibration was checked with 28 visits while the gage was open. The record is good, except for October 31, 2005 - November - 15, which is Fair due to ice effect and November 16 - April 12, which is estimated and poor. Station operated by Garver Brown and record developed by Lee Cunning.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

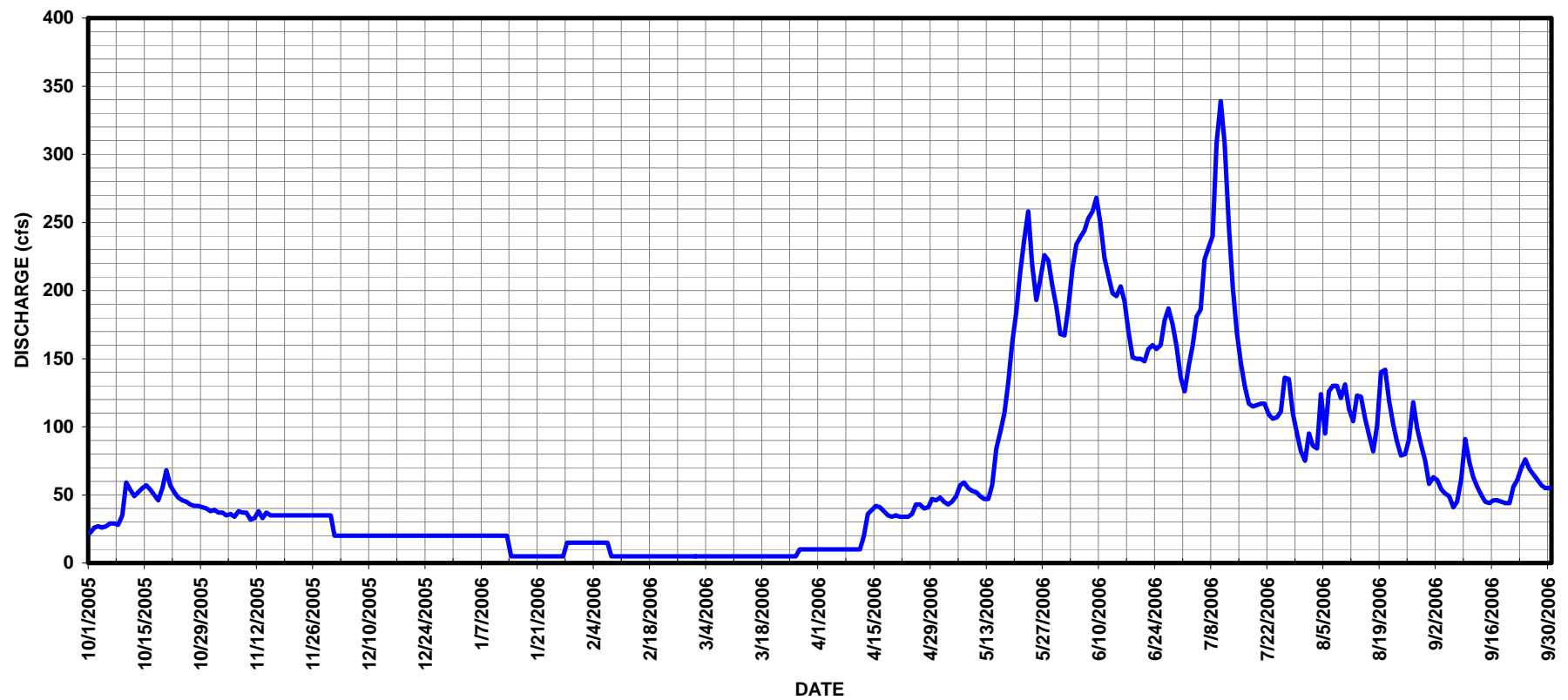
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	39	20	20	15	5.0	10	48	167	126	95	63
2	26	37	20	20	15	5.0	10	45	188	145	86	61
3	27	37	20	20	15	5.0	10	43	216	160	84	54
4	26	35	20	20	15	5.0	10	45	234	181	124	51
5	27	36	20	20	15	5.0	10	49	239	186	95	49
6	29	34	20	20	15	5.0	10	57	244	223	126	41
7	29	38	20	20	15	5.0	10	59	253	232	130	45
8	28	37	20	20	5.0	5.0	10	55	258	240	130	62
9	35	37	20	20	5.0	5.0	10	53	268	308	121	91
10	59	32	20	20	5.0	5.0	10	52	250	339	131	74
11	54	33	20	20	5.0	5.0	10	49	224	308	113	63
12	49	38	20	20	5.0	5.0	20	47	211	248	104	56
13	52	33	20	20	5.0	5.0	36	47	198	203	123	50
14	55	37	20	5.0	5.0	5.0	39	57	196	169	122	45
15	57	35	20	5.0	5.0	5.0	42	84	203	147	106	44
16	54	35	20	5.0	5.0	5.0	41	96	192	130	94	46
17	50	35	20	5.0	5.0	5.0	38	110	170	117	82	46
18	46	35	20	5.0	5.0	5.0	35	132	151	115	101	45
19	55	35	20	5.0	5.0	5.0	34	161	150	116	140	44
20	68	35	20	5.0	5.0	5.0	35	184	150	117	142	44
21	57	35	20	5.0	5.0	5.0	34	213	148	117	119	56
22	52	35	20	5.0	5.0	5.0	34	238	157	109	102	61
23	48	35	20	5.0	5.0	5.0	34	258	160	106	89	70
24	46	35	20	5.0	5.0	5.0	36	219	157	107	79	76
25	45	35	20	5.0	5.0	5.0	43	193	160	111	80	69
26	43	35	20	5.0	5.0	5.0	43	208	178	136	91	65
27	42	35	20	5.0	5.0	10	40	226	187	135	118	61
28	42	35	20	15	5.0	10	41	222	175	110	99	57
29	41	35	20	15	---	10	47	204	159	95	86	55
30	40	35	20	15	---	10	46	188	136	82	75	55
31	38	---	20	15	---	10	---	168	---	75	58	---
TOTAL	1342	1063	620	390.0	210.0	180.0	828	3810	5779	4993	3245	1699
MEAN	43.3	35.4	20.0	12.6	7.50	5.81	27.6	123	193	161	105	56.6
AC-FT	2660	2110	1230	774	417	357	1640	7560	11460	9900	6440	3370
MAX	68	39	20	20	15	10	47	258	268	339	142	91
MIN	22	32	20	5.0	5.0	5.0	10	43	136	75	58	41
CAL YR	2005	TOTAL	16785	MEAN	46.0	MAX	200	MIN	5	AC-FT	33290	
WTR YR	2006	TOTAL	24159	MEAN	66.2	MAX	339	MIN	5	AC-FT	47920	

MAX DISCH: 374 CFS AT 15:15 ON Jul. 10, 2006 GH 2.32 FT. SHIFT 0.04 FT.
MAX GH: 2.32 FT. AT 15:15 ON Jul. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06694920 SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR NEAR HARTSEL, CO

LOCATION.--Lat 38°58'03", long 105°34'51", in NE¼ sec. 32, T.12 S., R.73 W., Park County, Hydrologic Unit 10190001, on left bank 200 ft downstream from highway bridge, 2.5 mi upstream from water line of Elevenmile Canyon Reservoir, at elevation 8,561 ft. and 13 mi southeast of Hartsel.

DRAINAGE AREA AND PERIOD OF RECORD.--880 mi²; 1933 to present.

GAGE.--Water-stage recorder with satellite telemetry (DCP and shaft encoder) in a wooden shelter at a 25 ft. Parshall flume. Datum of gage is 8,612.83 ft. (Denver Board of Water Commissioners Datum). Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U. S. Army Corps of Engineers and the USGS.

REMARKS.--Primary record is hourly data taken from satellite readings, with chart back-up. Record is complete and reliable, except for November 9-12, 16-22, 2005 when the DCP transmission was compromised and good chart data was used to fill in this missing data. Spinney Reservoir is 2 miles upstream. Spinney release keeps this gage open year round. November 27 through December 19, 2005 and January 21 - 23, 2006 were estimated due to ice jams downstream causing backwater into the flume. The maximum GH recorded occurred during the backwater period. This GH was not used as the yearly Max GH, since it did not occur during good record. The record is good, except days of ice affected record which are considered poor. Station operated by Garver Brown and record developed by Lee Cunning.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	83	55	37	38	41	41	59	225	133	165	144
2	90	77	55	38	38	41	41	60	215	155	164	144
3	90	75	55	37	39	41	41	93	168	155	165	144
4	90	75	55	37	39	41	54	120	173	182	164	144
5	90	76	55	37	38	41	65	120	197	179	165	143
6	90	76	55	38	39	41	65	120	209	111	166	127
7	90	76	55	37	39	40	65	120	189	102	194	108
8	90	75	55	37	39	40	65	119	193	102	212	105
9	91	74	55	37	39	39	65	122	209	78	213	140
10	91	82	55	38	38	39	65	131	181	94	213	159
11	90	90	55	38	93	39	65	126	126	151	212	136
12	90	88	55	37	85	39	91	148	75	150	212	122
13	90	88	42	38	87	39	112	135	55	148	212	122
14	90	88	35	38	87	87	112	122	71	148	212	122
15	90	88	35	38	87	121	108	128	141	131	211	122
16	90	89	35	36	87	121	101	164	169	126	203	122
17	90	89	35	39	87	122	125	186	195	153	181	122
18	90	90	35	38	87	122	136	186	184	207	147	102
19	90	90	35	38	87	122	125	211	166	211	138	88
20	90	90	38	37	87	122	132	246	159	198	153	88
21	90	90	37	35	88	122	100	258	176	172	150	88
22	90	90	38	35	87	122	57	279	188	160	144	89
23	90	90	37	35	87	112	57	296	188	168	152	88
24	90	90	37	41	61	93	56	288	189	157	153	88
25	89	90	38	39	41	93	53	221	189	149	149	87
26	89	90	37	38	40	92	51	173	197	149	144	87
27	89	90	37	38	40	93	51	177	187	149	158	87
28	89	90	37	38	41	65	52	199	123	166	172	88
29	89	90	36	38	---	41	52	199	121	178	162	88
30	89	76	38	39	---	41	55	199	115	178	154	88
31	89	---	37	38	---	41	---	199	---	170	149	---
TOTAL	2785	2545	1359	1164	1745	2253	2258	5204	4973	4710	5389	3382
MEAN	89.8	84.8	43.8	37.5	62.3	72.7	75.3	168	166	152	174	113
AC-FT	5520	5050	2700	2310	3460	4470	4480	10320	9860	9340	10690	6710
MAX	91	90	55	41	93	122	136	296	225	211	213	159
MIN	89	74	35	35	38	39	41	59	55	78	138	87

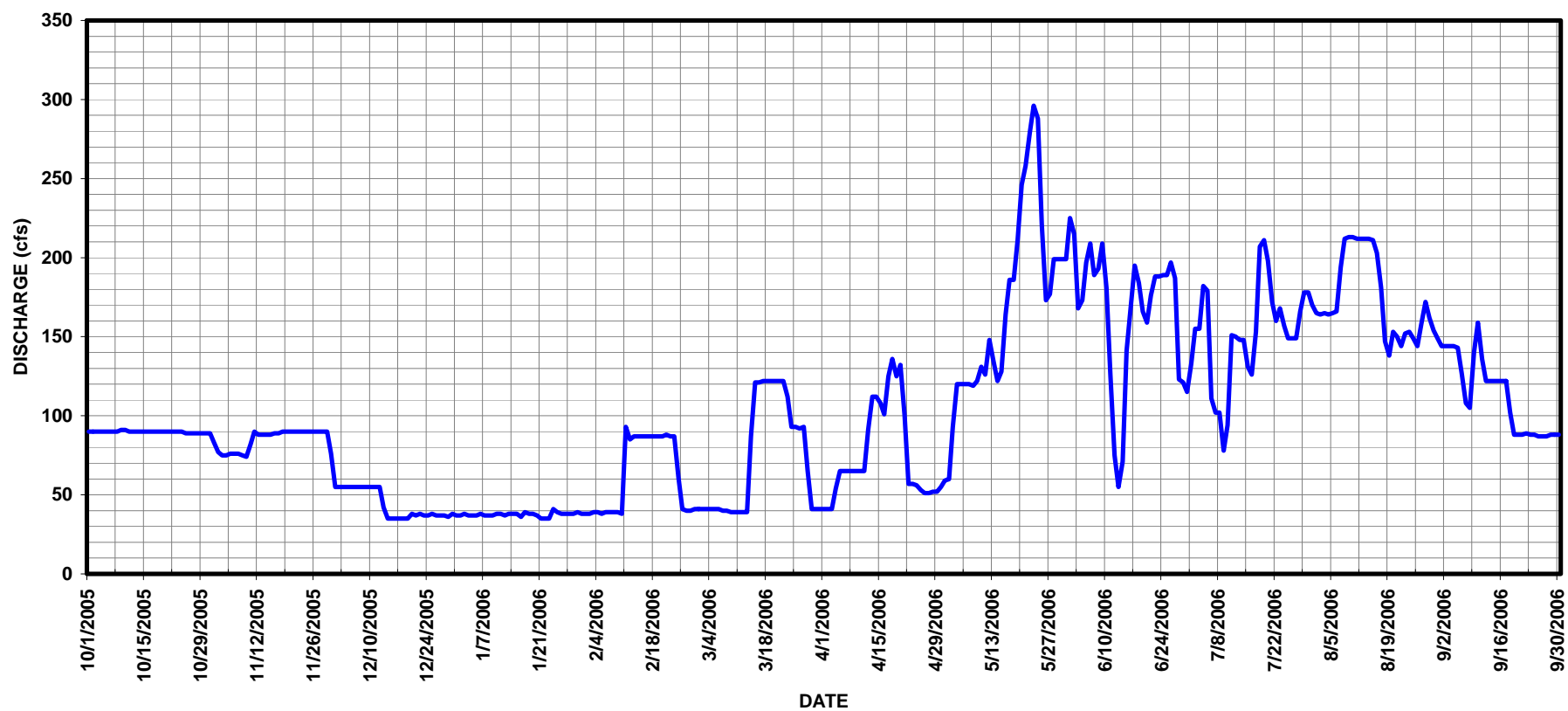
CAL YR	2005	TOTAL	29588	MEAN	81.1	MAX	214	MIN	33	AC-FT	58690
WTR YR	2006	TOTAL	37767	MEAN	103	MAX	296	MIN	35	AC-FT	74910

MAX DISCH: 303 CFS AT 14:45 ON May. 22, 2006 GH 2.03 FT. SHIFT 0.04 FT.

MAX GH: 2.03 FT. AT 14:45 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06695000 SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR NEAR HARTSEL CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06696000 SOUTH PLATTE RIVER (below Elevenmile Reservoir) NEAR LAKE GEORGE, CO

LOCATION.--Lat 38°54'19", long 105°28'22". in SW¼ sec. 20, T.13 S., R.72 W., Park County, Hydrologic Unit 10190001, on left bank 700 ft downstream from Elevenmile Canyon Reservoir and 8.2 mi southwest of town of Lake George.

DRAINAGE AREA AND PERIOD OF RECORD.--963 mi². October 1929 to current year. Monthly data only for some periods.

GAGE.--Water-stage recorder and satellite monitoring (Sutron Satlink 2 DCP and shaft encoder) in a concrete shelter at a 15' Parshall flume with outside staff gage. Elevation of gage is 8,458 ft from topographic map. Station is owned and maintained by the Denver Water Dept. A 10-foot rectangular bypass channel is located beside the upper right wingwall of the 15-foot Parshall. The channel is normally kept closed by boards. At a gage height of 3.26 in the Parshall, water reaches the floor of the bypass channel.

REMARKS.--Record is taken from hourly satellite data and is complete and reliable for the period of operation. The record is good. Station operated and record developed by Garver Brown.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

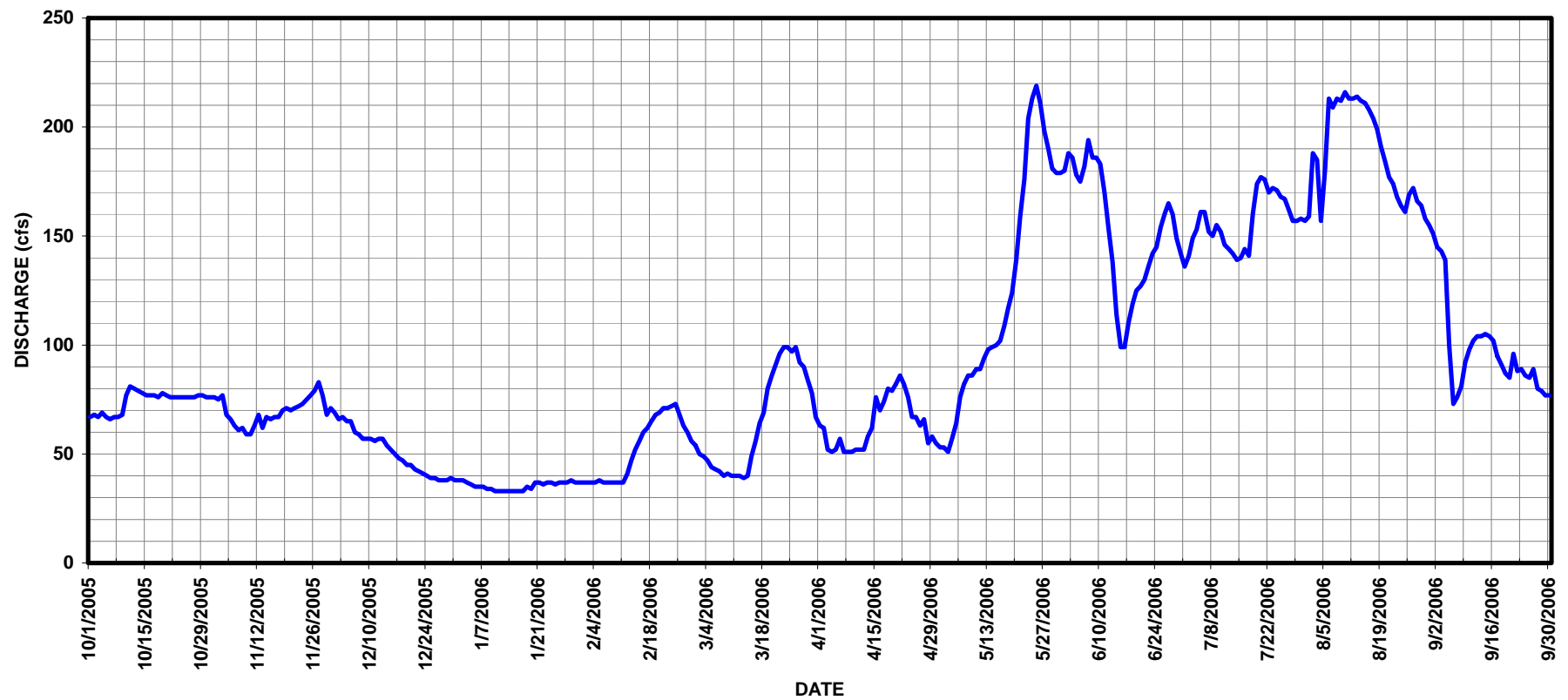
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	76	69	38	37	54	63	53	180	136	159	151
2	68	75	66	38	37	50	62	53	188	141	188	145
3	67	77	67	37	37	49	52	51	186	149	185	143
4	69	68	65	36	37	47	51	57	178	153	157	139
5	67	66	65	35	38	44	52	64	175	161	181	100
6	66	63	60	35	37	43	57	76	182	161	213	73
7	67	61	59	35	37	42	51	82	194	152	209	76
8	67	62	57	34	37	40	51	86	186	150	213	81
9	68	59	57	34	37	41	51	86	186	155	212	92
10	77	59	57	33	37	40	52	89	183	152	216	98
11	81	63	56	33	37	40	52	89	170	146	213	102
12	80	68	57	33	41	40	52	94	154	144	213	104
13	79	62	57	33	47	39	58	98	138	142	214	104
14	78	67	54	33	52	40	62	99	114	139	212	105
15	77	66	52	33	56	49	76	100	99	140	211	104
16	77	67	50	33	60	56	70	102	99	144	208	102
17	77	67	48	33	62	64	74	109	110	141	204	95
18	76	70	47	35	65	69	80	117	119	160	199	91
19	78	71	45	34	68	80	79	124	125	174	191	87
20	77	70	45	37	69	86	82	139	127	177	184	85
21	76	71	43	37	71	91	86	159	130	176	177	96
22	76	72	42	36	71	96	82	176	136	170	174	88
23	76	73	41	37	72	99	76	204	142	172	168	89
24	76	75	40	37	73	99	67	213	145	171	164	86
25	76	77	39	36	68	97	67	219	154	168	161	85
26	76	79	39	37	63	99	63	211	160	167	169	89
27	76	83	38	37	60	92	66	198	165	162	172	80
28	77	77	38	37	56	90	55	190	160	157	166	79
29	77	68	38	38	---	84	58	181	149	157	164	77
30	76	71	39	37	---	78	55	179	142	158	158	77
31	76	---	38	37	---	67	---	179	---	157	155	---
TOTAL	2301	2083	1568	1098	1462	2005	1902	3877	4576	4832	5810	2923
MEAN	74.2	69.4	50.6	35.4	52.2	64.7	63.4	125	153	156	187	97.4
AC-FT	4560	4130	3110	2180	2900	3980	3770	7690	9080	9580	11520	5800
MAX	81	83	69	38	73	99	86	219	194	177	216	151
MIN	66	59	38	33	37	39	51	51	99	136	155	73
CAL YR 2005	TOTAL	25838	MEAN	70.8	MAX	160	MIN	17	AC-FT	51250		
WTR YR 2006	TOTAL	34437	MEAN	94.3	MAX	219	MIN	33	AC-FT	68310		

MAX DISCH: 561 CFS AT 11:45 ON Sep. 26, 2006 GH 4.12 FT. SHIFT 0.02 FT.

MAX GH: 4.12 FT. AT 11:45 ON Sep. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06696000 SOUTH PLATTE RIVER (below Elevenmile Reservoir) NEAR LAKE GEORGE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON, CO

LOCATION.--Lat. 39°17'13", Long. 105°41'43", in the NW ¼ of the NW ¼ of Sec. 8, T. 9 S., R. 74 W., Park County, Hydrologic unit 10190001, on left bank 1800 ft. downstream from Rock Creek, 9 mi. southeast of Jefferson and 1.0 mi. northwest of Bordenville.

DRAINAGE AREA AND PERIOD OF RECORD.--230 mi². Apr. 26, 1983 (no previous gage at this site). Operation discontinued by USGS 9-30-97. Taken over by Colorado Division of Water Resources.

GAGE.--Shaft encoder and satellite monitoring DCP in a in a metal shelter on an 18-inch metal well. Well is connected to stream by one 2-in. intake. Altitude of gage is 9020 ft, from USGS topographic map. Station is maintained by the City of Aurora.

REMARKS.--Record is taken from hourly satellite readings and is complete and reliable, except for the following periods: October 10-11, 2005, appeared to have ice in the stream; October 12, 2005 - April 11, 2006, when the station was closed for winter; April 12, 2006 partial (start-up) day; April 13-20, 2006 showed unusual gage height variations which could have been caused by ice in the stilling well; June 12-13, 2006, due to DCP failure; and, June 14, 2006 - July 18, 2006, when a single abnormally low gage height value was recorded each day, which were considered to be erroneous and replaced with values obtained by interpolation from adjacent good record, without loss in accuracy. The record is good for the entire period of operation, except for October 10-11, 2005; April 12, and June 12-13, 2006 which are poor; and April 13-20, 2006, which is fair. Station operated by Garver Brown and record developed by Garver Brown and Russell Stroud.

RATING TABLE.--TARBORCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

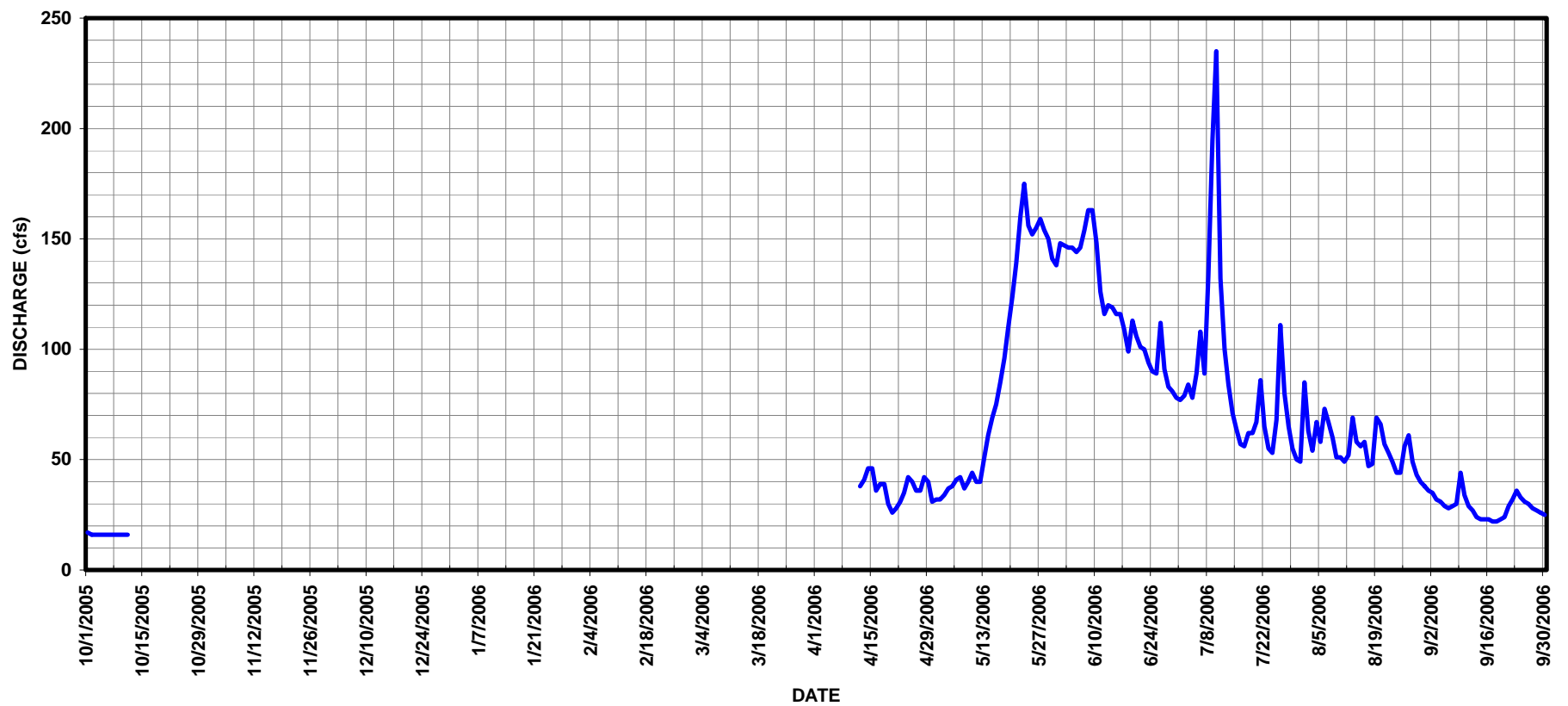
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	---	---	---	---	---	---	32	148	77	85	36
2	16	---	---	---	---	---	---	32	147	79	63	35
3	16	---	---	---	---	---	---	34	146	84	54	32
4	16	---	---	---	---	---	---	37	146	78	67	31
5	16	---	---	---	---	---	---	38	144	89	58	29
6	16	---	---	---	---	---	---	41	146	108	73	28
7	16	---	---	---	---	---	---	42	154	89	67	29
8	16	---	---	---	---	---	---	37	163	133	60	30
9	16	---	---	---	---	---	---	40	163	195	51	44
10	16	---	---	---	---	---	---	44	148	235	51	34
11	16	---	---	---	---	---	---	40	126	132	49	29
12	---	---	---	---	---	---	38	40	116	100	52	27
13	---	---	---	---	---	---	41	51	120	84	69	24
14	---	---	---	---	---	---	46	61	119	71	58	23
15	---	---	---	---	---	---	46	69	116	64	56	23
16	---	---	---	---	---	---	36	75	116	57	58	23
17	---	---	---	---	---	---	39	85	109	56	47	22
18	---	---	---	---	---	---	39	96	99	62	48	22
19	---	---	---	---	---	---	30	110	113	62	69	23
20	---	---	---	---	---	---	26	124	106	67	66	24
21	---	---	---	---	---	---	28	139	101	86	57	29
22	---	---	---	---	---	---	31	160	100	65	53	32
23	---	---	---	---	---	---	35	175	94	55	49	36
24	---	---	---	---	---	---	42	156	90	53	44	33
25	---	---	---	---	---	---	40	152	89	68	44	31
26	---	---	---	---	---	---	36	155	112	111	56	30
27	---	---	---	---	---	---	36	159	91	80	61	28
28	---	---	---	---	---	---	42	154	83	65	49	27
29	---	---	---	---	---	---	40	150	81	55	43	26
30	---	---	---	---	---	---	31	141	78	50	40	25
31	---	---	---	---	---	---	---	138	---	49	38	---
TOTAL	177	---	---	---	---	---	702	2807	3564	2659	1735	865
MEAN	16.1	---	---	---	---	---	36.9	90.5	119	85.8	56.0	28.8
AC-FT	351	---	---	---	---	---	1390	5570	7070	5270	3440	1720
MAX	17	---	---	---	---	---	46	175	163	235	85	44
MIN	16	---	---	---	---	---	26	32	78	49	38	22

CAL YR	2005	TOTAL	8855	MEAN	50.3	MAX	150	MIN	16	AC-FT	17560 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	12509	MEAN	68.4	MAX	235	MIN	16	AC-FT	24810 (PARTIAL YEAR RECORD)

MAX DISCH: 264 CFS AT 07:00 ON Jul. 10, 2006 GH 3.95 FT. SHIFT -0.02 FT.
MAX GH: 3.95 FT. AT 07:00 ON Jul. 10, 2006

06699005 TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

TARRYALL CREEK BELOW TARRYALL RESERVOIR, CO

LOCATION.--Lat. 39° 13' 18", Long. 105° 36' 07"; in SW1/4 of sec 31, T. 9S, R. 73W, Park County, about 500 ft. downstream from Tarryall Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--355 sq. mi., from DWR Dam Safety Section database. Age of the gage is not known, although the reservoir was built in 1929. DWR first ran levels in June of 1975, and installation in 1970's is consistent with the type of materials used. The gage has been operated infrequently and records have never been kept prior to 2005. The gage was activated with satellite monitoring in WY2005.

GAGE.--HDR Satellite monitoring in a 36" CMP shelter and cast iron well, located on the right downstream abutment of a bridge on Park County Road 77. Gage is operated and equipment is maintained by the CO Div. of Water Resources under a cooperative agreement with the CO Div. of Wildlife, the owner of Tarryall Reservoir. There is an inside reference tape and a staff gage on the center abutment of the bridge. Elevation of gage is 8800 ft. from topographic map.

REMARKS.--Record is taken from hourly average satellite readings and is complete and reliable, except for November 4, 2005 to March 6, 2006 when the station was closed for the winter. November 3, 2005 and March 7, 2006 were partial record days. Missing hourly values on the days of March 19,21,22,23 & 30, and the days of April 2,3,4,5,6,7 & 12 were estimated with fair accuracy since the stage was not varying. The DCP and SE were replaced on April 12, eliminating missing value problems for the remainder of the year. Encoder calibration was checked with 22 visits by DWR personnel while the gage was open. The record is good, except for the days of November 3, 2005 and March 7, 2006, which are estimated and fair. Station operated by Garver Brown and record developed by Garver Brown and Bob Cooper.

RATING TABLE.--TARTARCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

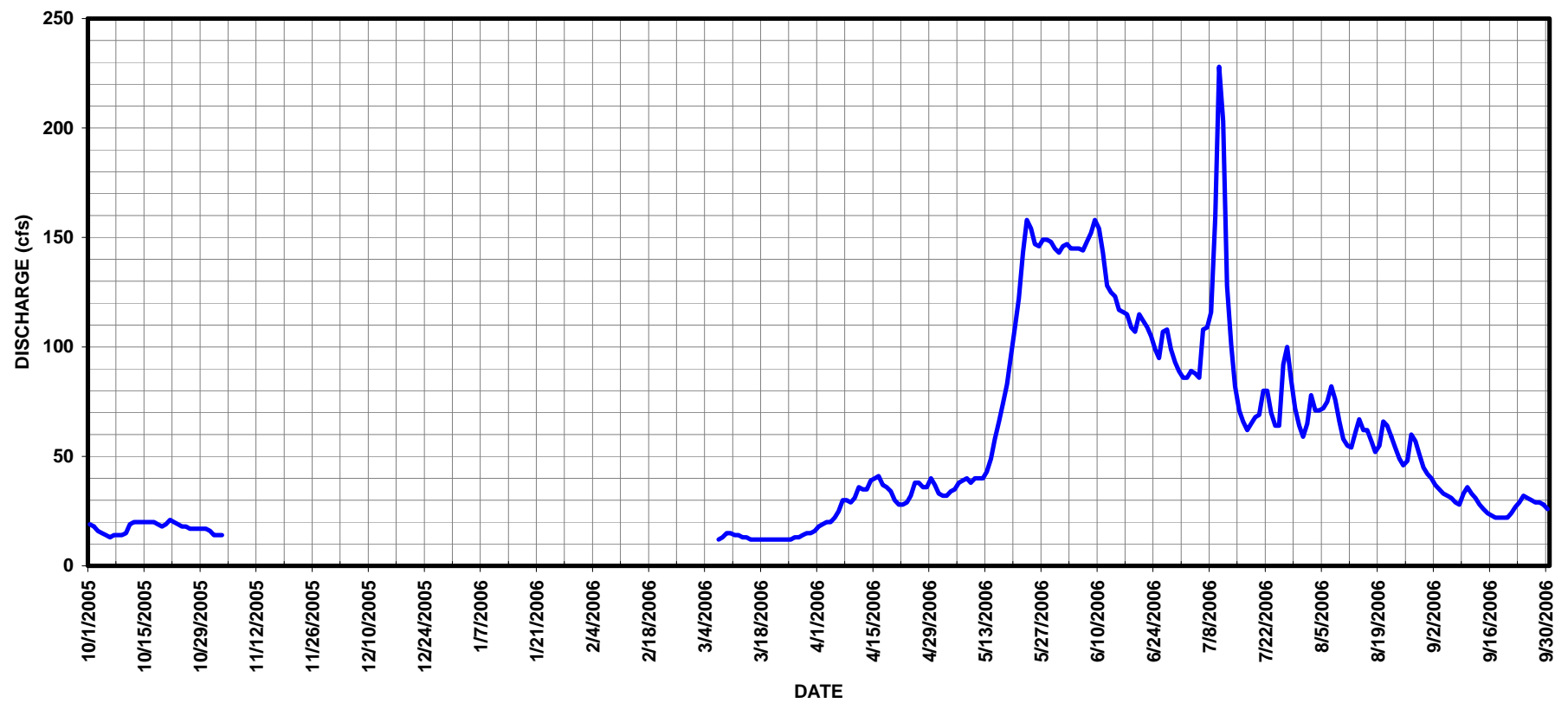
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	14	---	---	---	---	18	33	146	86	65	40
2	18	14	---	---	---	---	19	32	147	86	78	37
3	16	14	---	---	---	---	20	32	145	89	71	35
4	15	---	---	---	---	---	20	34	145	88	71	33
5	14	---	---	---	---	---	22	35	145	86	72	32
6	13	---	---	---	---	---	25	38	144	108	75	31
7	14	---	---	---	---	12	30	39	148	109	82	29
8	14	---	---	---	---	13	30	40	152	116	76	28
9	14	---	---	---	---	15	29	38	158	159	66	33
10	15	---	---	---	---	15	31	40	154	228	58	36
11	19	---	---	---	---	14	36	40	143	203	55	33
12	20	---	---	---	---	14	35	40	128	128	54	31
13	20	---	---	---	---	13	35	43	125	101	61	28
14	20	---	---	---	---	13	39	49	123	82	67	26
15	20	---	---	---	---	12	40	58	117	71	62	24
16	20	---	---	---	---	12	41	66	116	66	62	23
17	20	---	---	---	---	12	37	74	115	62	57	22
18	19	---	---	---	---	12	36	83	109	65	52	22
19	18	---	---	---	---	12	34	96	107	68	55	22
20	19	---	---	---	---	12	30	109	115	69	66	22
21	21	---	---	---	---	12	28	122	112	80	64	24
22	20	---	---	---	---	12	28	143	109	80	59	27
23	19	---	---	---	---	12	29	158	105	70	54	29
24	18	---	---	---	---	12	32	154	99	64	49	32
25	18	---	---	---	---	12	38	147	95	64	46	31
26	17	---	---	---	---	13	38	146	107	92	48	30
27	17	---	---	---	---	13	36	149	108	100	60	29
28	17	---	---	---	---	14	36	149	99	85	57	29
29	17	---	---	---	---	15	40	148	93	72	51	28
30	17	---	---	---	---	15	37	145	89	64	45	26
31	16	---	---	---	---	16	---	143	---	59	42	---
TOTAL	544	42	---	---	---	327	949	2623	3698	2900	1880	872
MEAN	17.5	14.0	---	---	---	13.1	31.6	84.6	123	93.5	60.6	29.1
AC-FT	1080	83	---	---	---	649	1880	5200	7330	5750	3730	1730
MAX	21	14	---	---	---	16	41	158	158	228	82	40
MIN	13	14	---	---	---	12	18	32	89	59	42	22

CAL YR	2005	TOTAL	9047.6	MEAN	24.8	MAX	166	MIN	8	AC-FT	17958 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	13835	MEAN	57.2	MAX	228	MIN	12	AC-FT	27440 (PARTIAL YEAR RECORD)

MAX DISCH: 258 CFS AT 17:00 ON Jul. 10, 2006 GH 3.9 FT. SHIFT -0.23 FT.
MAX GH: 3.9 FT. AT 17:00 ON Jul. 10, 2006

TARRYALL CREEK BELOW TARRYALL RESERVOIR CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE, CO

LOCATION.--Lat 39°12'33", long 105°16'02", in SE¼NW¼ sec.6, T.10 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank 1,400 ft downstream from toe of Cheesman Dam and 3.8 mi southwest of Deckers.

DRAINAGE AREA AND PERIOD OF RECORD.--1,752 mi². Oct.1, 1924-May 13, 1956 at site 370 feet upstream and 0.50 ft. higher. May 14, 1956 to present at current site. Unreliable record from 1909 to 1924 unpublished.

GAGE.--Water-stage recorder with satellite telemetry in a wooden shelter at a 30 ft Parshall flume. Datum of gage is 6,609 ft. Station is owned and maintained by the Denver Water Dept. Satellite telemetry is maintained by the U.S. Army Corps of Engineers and the USGS.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Satellite data agreed with the recorder data within ±0.02 foot. The record is reliable and complete. Missing DCP data were filled in using the chart data on 10/9-10/10/05, 1/17-1/18/06, 8/15/06, and 9/15/06 without loss of accuracy. Shaft encoder corrections ranging from -.02 to +.01 were also applied as datum corrections on 12/2/05, 12/22/05, 1/6/06, 3/15/06 and 3/29/06. The record is considered good. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLACHECO11 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

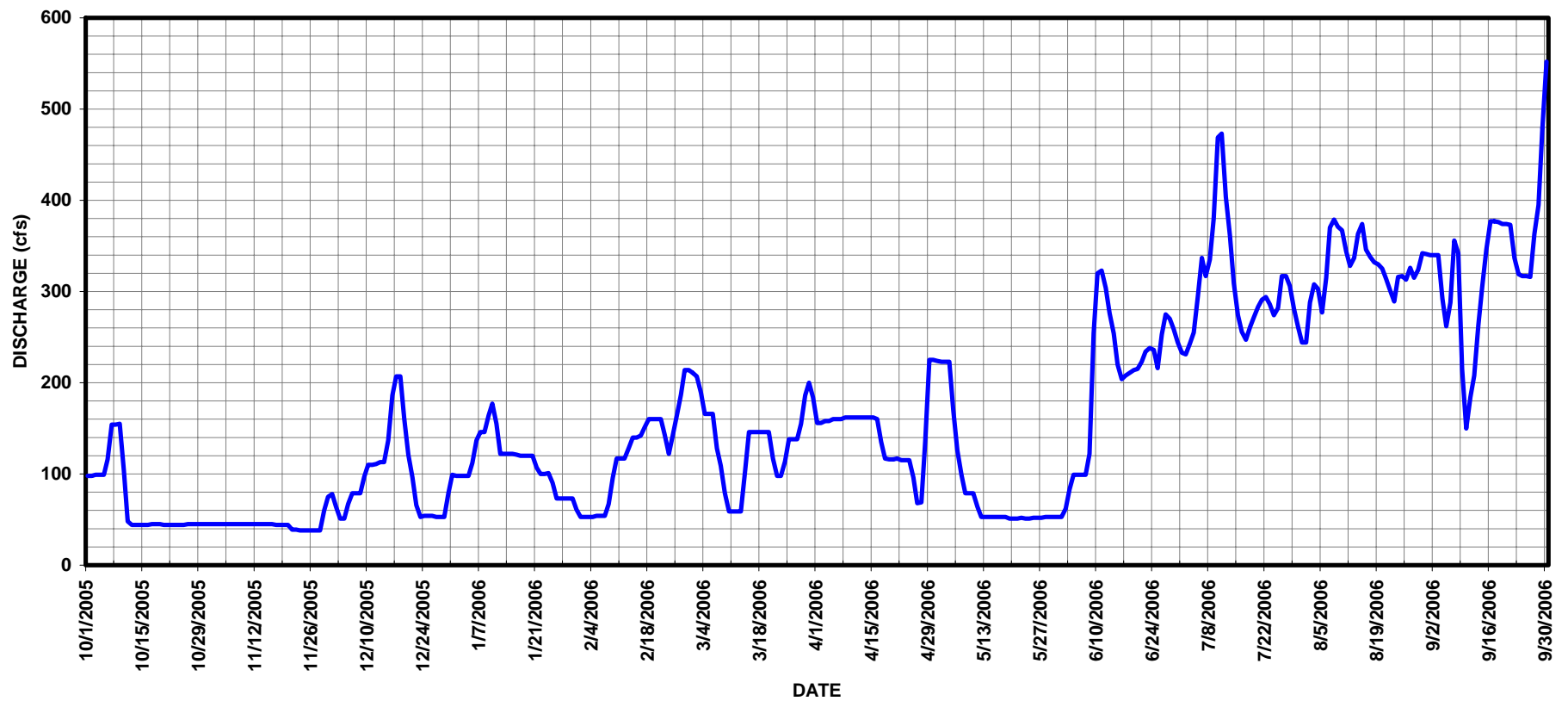
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	45	78	98	53	211	156	224	53	233	244	340
2	98	45	64	98	53	207	156	223	62	231	288	340
3	99	45	51	98	53	189	158	223	83	243	308	340
4	99	45	51	98	53	166	158	223	99	255	303	292
5	99	45	67	112	54	166	160	171	99	295	277	262
6	116	45	79	137	54	166	160	126	99	337	315	288
7	154	45	79	146	54	128	160	99	99	317	370	356
8	154	45	79	146	67	109	162	79	122	335	379	342
9	155	45	97	164	96	79	162	79	254	380	371	215
10	104	45	110	177	117	59	162	79	320	469	367	150
11	48	45	110	155	117	59	162	64	323	473	344	184
12	44	45	111	122	117	59	162	53	304	404	328	208
13	44	45	113	122	128	59	162	53	276	361	337	263
14	44	45	113	122	140	102	162	53	254	309	363	305
15	44	45	137	122	140	146	162	53	220	274	374	346
16	44	45	186	121	142	146	160	53	204	256	346	377
17	45	44	207	120	151	146	135	53	208	247	338	377
18	45	44	207	120	160	146	117	53	211	261	332	376
19	45	44	161	120	160	146	116	51	214	272	330	374
20	44	44	121	120	160	146	116	51	215	283	325	374
21	44	39	96	107	160	117	117	51	223	291	314	373
22	44	39	66	100	143	98	115	52	234	294	301	337
23	44	38	53	100	122	98	115	51	238	286	289	319
24	44	38	54	101	142	114	115	51	236	274	316	317
25	44	38	54	90	164	138	96	52	216	282	317	317
26	45	38	54	73	187	138	68	52	252	317	313	316
27	45	38	53	73	214	138	69	52	275	317	326	363
28	45	38	53	73	214	155	136	53	270	306	315	395
29	45	60	53	73	---	186	225	53	259	281	324	479
30	45	75	79	73	---	200	225	53	244	261	342	552
31	45	---	99	61	---	184	---	53	---	244	341	---
TOTAL	2113	1337	2935	3442	3415	4201	4329	2636	6167	9388	10137	9877
MEAN	68.2	44.6	94.7	111	122	136	144	85.0	206	303	327	329
AC-FT	4190	2650	5820	6830	6770	8330	8590	5230	12230	18620	20110	19590
MAX	155	75	207	177	214	211	225	224	323	473	379	552
MIN	44	38	51	61	53	59	68	51	53	231	244	150

CAL YR	2005	TOTAL	55416	MEAN	151	MAX	466	MIN	38	AC-FT	109900
WTR YR	2006	TOTAL	59977	MEAN	164	MAX	552	MIN	38	AC-FT	119000

MAX DISCH: 554 CFS AT 13:00 ON Sep. 29, 2006 GH 2.74 FT. SHIFT 0 FT.
MAX GH: 2.74 FT. AT 13:00 ON Sep. 29, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06701500 SOUTH PLATTE RIVER BELOW CHEESMAN LAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK AT GRANT, CO

LOCATION.--Lat 39°27'26", long 105°39'29" in NW¼ sec. 10, T.7 S., R.74 W., Park County, Hydrologic Unit 10190002, on left bank at Grant, 1,550 ft downstream from Geneva Creek, and 1.3 mi downstream from east portal of Harold D. Roberts tunnel.

DRAINAGE AREA AND PERIOD OF RECORD.--127 mi²; 1948 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment in a wooden shelter over a concrete well at a concrete trapezoidal channel section and spillway. The gage has power and is equipped with heat lamps and tapes to prevent freezing of the stilling well and intakes. The station is owned and maintained by the Denver Water Department. The satellite equipment is owned by USCOE and maintained by the USGS.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable except for periods during the days of March 30, 2006 and September 23, 24, and 25, 2006, when the chart recorder clock stopped and there were hours from the satellite record when data was either missing or bad. These missing values were estimated without loss of accuracy by interpolation between periods of good data, and noting that the GH range recorded by the stopped chart was only a few hundredths of a foot. Rapid changes in stage are caused by the regulation of Roberts Tunnel, ½ mile upstream. When Roberts Tunnel is operating, the gage is free from ice. The record is good. Station maintained and record developed by Garver Brown.

RATING TABLE.--PLAGRAC012 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	118	50	47	44	47	61	46	678	522	346	92
2	162	119	53	47	45	46	61	151	684	525	303	76
3	194	119	54	47	45	47	61	296	685	517	229	79
4	217	97	53	47	45	48	63	299	680	442	150	78
5	220	80	53	47	45	48	68	301	682	386	114	75
6	218	82	53	47	44	49	66	302	678	399	134	81
7	171	83	52	47	45	48	63	271	670	433	129	86
8	143	67	51	47	45	48	64	275	683	493	115	68
9	116	55	51	47	45	46	69	366	685	442	137	77
10	99	55	51	47	45	46	84	408	687	288	218	65
11	85	55	51	47	45	45	90	402	682	152	316	60
12	75	54	51	46	45	45	121	443	687	194	375	58
13	75	53	51	45	45	44	201	477	690	446	381	53
14	79	54	50	45	45	45	254	482	691	660	315	55
15	80	44	49	45	45	45	272	486	691	652	206	56
16	79	47	49	45	45	44	266	539	686	637	126	54
17	101	54	49	44	45	44	271	565	686	634	76	52
18	122	51	49	44	45	44	265	561	687	633	179	51
19	124	54	49	45	45	44	259	576	695	601	302	51
20	124	52	49	45	45	44	262	561	690	598	292	51
21	122	53	50	45	45	44	318	519	683	558	279	56
22	122	53	51	45	45	44	393	530	686	486	217	58
23	122	51	51	44	44	44	400	570	703	476	168	56
24	122	49	51	45	45	44	393	596	682	426	165	56
25	121	48	51	44	45	44	341	661	693	387	162	57
26	122	50	51	44	45	44	315	655	692	398	144	58
27	121	51	51	44	46	44	319	657	669	385	125	57
28	121	48	51	44	47	45	225	667	645	310	120	56
29	122	47	51	44	---	46	45	663	611	251	141	54
30	120	49	51	44	---	46	44	656	542	305	203	52
31	115	---	51	44	---	55	---	666	---	347	138	---
TOTAL	3979	1892	1578	1408	1260	1417	5714	14647	20303	13983	6305	1878
MEAN	128	63.1	50.9	45.4	45.0	45.7	190	472	677	451	203	62.6
AC-FT	7890	3750	3130	2790	2500	2810	11330	29050	40270	27740	12510	3730
MAX	220	119	54	47	47	55	400	667	703	660	381	92
MIN	75	44	49	44	44	44	44	46	542	152	76	51

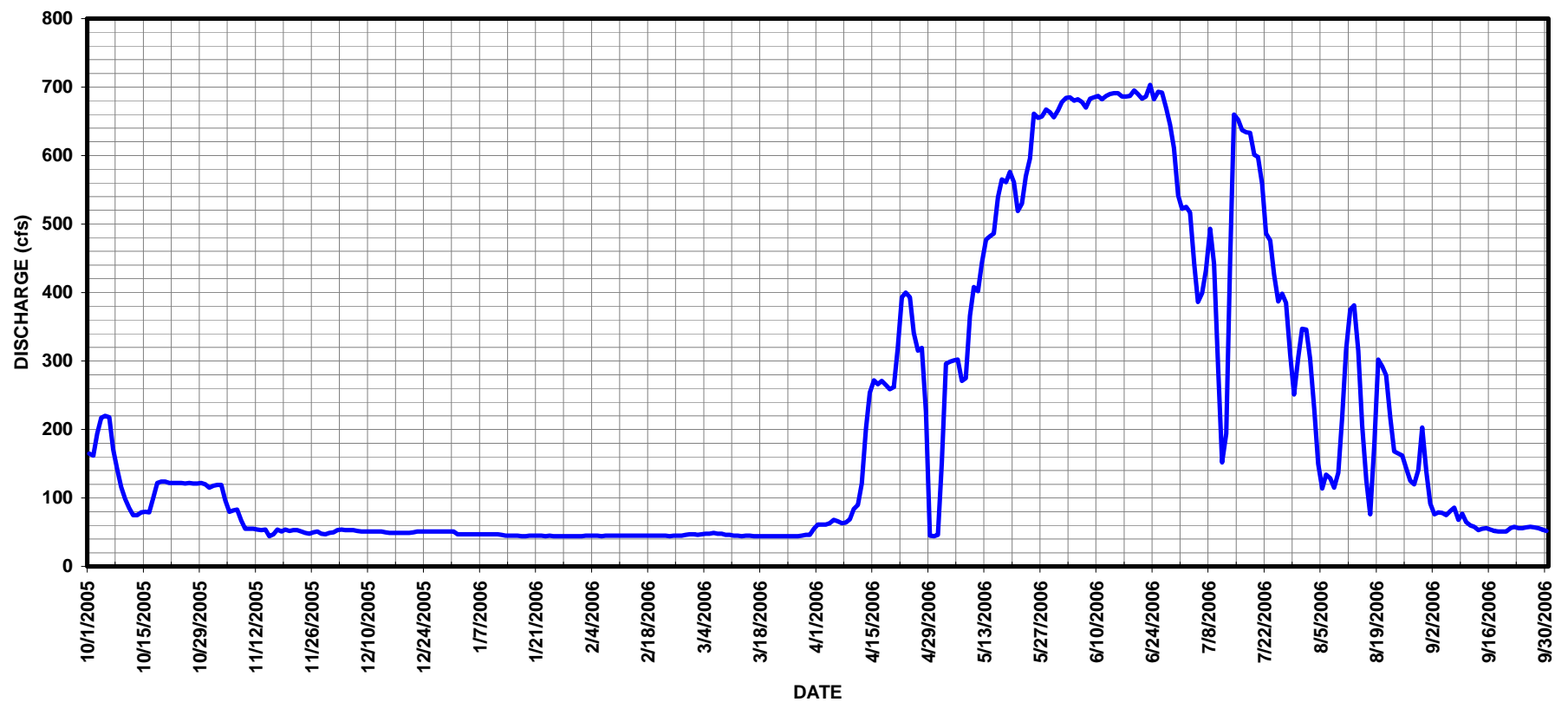
CAL YR	2005	TOTAL	44883	MEAN	123	MAX	607	MIN	23	AC-FT	89030
WTR YR	2006	TOTAL	74364	MEAN	204	MAX	703	MIN	44	AC-FT	147500

MAX DISCH: 806 CFS AT 10:15 ON Jun. 23, 2006 GH 2.09 FT. SHIFT -0.05 FT.

MAX GH: 2.09 FT. AT 10:15 ON Jun. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06706000 NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK AT GRANT CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE, CO

LOCATION.--Lat 39°24'33", long 105°10'10", SE¼ sec. 25, T.7 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at South Platte, 200 ft downstream from bridge on State Highway 75, and 400 ft downstream from North Fork.

DRAINAGE AREA AND PERIOD OF RECORD.--2,579 mi²; Jan. 1896 to present.

GAGE.--A graphic water stage recorder and satellite monitoring equipment (Sutron 8210 DCP and shaft encoder) in a concrete shelter and CMP well. The primary gage is an electric tape gage mounted on the equipment shelf. The station was rebuilt with a 60" CMP well and concrete shelter in 1994. 120-volt electricity was installed in 2001. The cableway was rebuilt in 1994. The gage is on Denver Water Board property.

REMARKS.--The primary record is hourly data taken from satellite readings with chart back up. The record is complete and reliable, except for the following days when ice affected the stage-discharge relationship: November 28 - December 27, 2005; Jan 22, 24 and 25, 2006 and February 16-19, 2006. These time periods were compared to Denver Water Department Inflows into Strontia Reservoir and also compared to trends in releases from Cheeseman Reservoir added to flows at the station at Grant. The record is good, except for the following days: November 28 - December 27, 2005; Jan 22, 24 and 25, 2006 and February 16-19, 2006, which are estimated due to ice effect and considered poor. Station maintained and record developed by Steve Barrett.

RATING TABLE.--PLASPLC016 USED FROM 01-OCT-2005 TO 30-SEP-2006

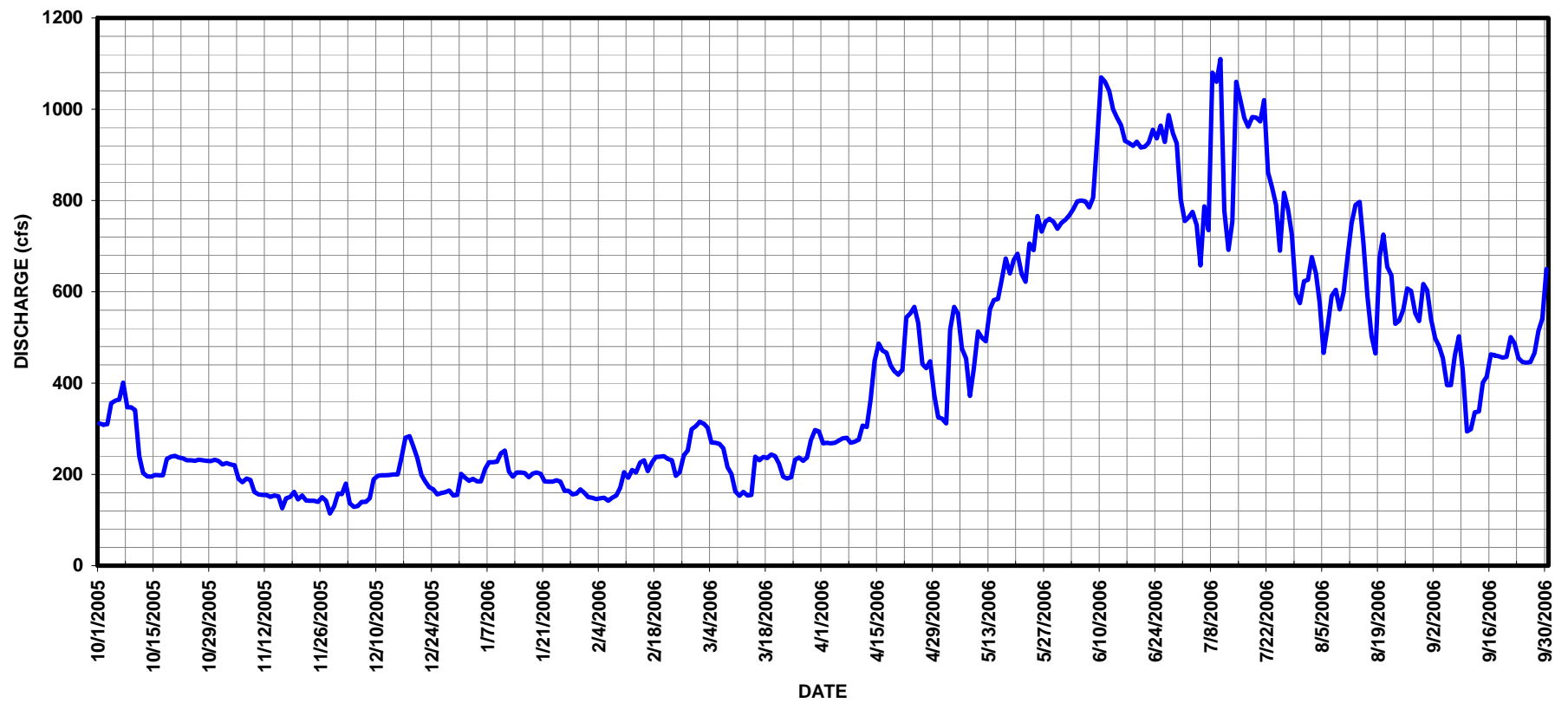
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312	222	157	193	150	315	268	322	758	755	626	540
2	309	225	180	186	149	311	269	312	768	763	676	498
3	310	222	137	190	146	302	268	517	781	775	640	481
4	356	220	129	185	148	270	269	567	798	746	575	455
5	362	190	131	185	149	269	274	552	800	658	466	396
6	364	183	140	212	142	267	279	476	798	787	526	396
7	401	191	140	227	149	257	280	454	785	735	591	460
8	347	188	148	227	154	216	269	372	806	1080	604	503
9	347	162	189	228	171	201	272	432	936	1060	562	426
10	341	156	197	246	205	163	276	513	1070	1110	598	294
11	240	155	198	252	193	153	307	500	1060	778	680	299
12	203	155	198	206	210	162	304	492	1040	692	750	336
13	196	151	199	195	204	154	365	562	1000	754	790	338
14	195	154	200	204	226	155	448	582	982	1060	797	401
15	199	152	200	204	231	239	487	584	965	1020	704	414
16	198	126	238	203	207	231	471	628	931	981	590	463
17	198	148	280	194	226	238	467	673	926	962	503	461
18	234	151	284	202	238	236	439	640	920	983	465	459
19	239	162	261	204	239	244	426	670	929	982	676	456
20	241	145	236	201	240	240	419	683	916	973	725	458
21	237	154	199	185	234	224	429	639	918	1020	655	501
22	235	143	184	184	231	195	544	622	927	862	636	487
23	231	142	172	184	197	191	553	706	955	828	530	455
24	231	142	167	187	205	194	567	691	936	791	537	446
25	230	140	156	184	242	232	532	766	964	690	562	445
26	232	150	159	164	252	237	442	732	928	817	607	446
27	231	142	161	164	299	230	433	754	987	782	602	466
28	230	114	165	156	306	237	448	760	948	725	553	514
29	229	130	154	158	---	275	374	753	925	596	536	541
30	232	158	155	167	---	297	325	738	804	575	617	650
31	229	---	201	159	---	294	---	751	---	623	603	---
TOTAL	8139	4873	5715	6036	5743	7229	11504	18443	27261	25963	18982	13485
MEAN	263	162	184	195	205	233	383	595	909	838	612	450
AC-FT	16140	9670	11340	11970	11390	14340	22820	36580	54070	51500	37650	26750
MAX	401	225	284	252	306	315	567	766	1070	1110	797	650
MIN	195	114	129	156	142	153	268	312	758	575	465	294
CAL YR	2005	TOTAL	140212	MEAN	384	MAX	1010	MIN	114	AC-FT	278100	
WTR YR	2006	TOTAL	153373	MEAN	420	MAX	1110	MIN	114	AC-FT	304200	

MAX DISCH: 1900 CFS AT 02:45 ON Jul. 8, 2006 GH 5.22 FT. SHIFT -0.05 FT.
MAX GH: 5.22 FT. AT 02:45 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06707500 SOUTH PLATTE RIVER AT SOUTH PLATTE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR, CO

LOCATION.--Lat 39°26'00", long 105°07'30", SW¼SW¼ sec. 16, T.7 S., R.69 W., Douglas County, on right bank 1/4 mi downstream from Strontia Springs Dam.

DRAINAGE AREA AND PERIOD OF RECORD.--2,596 mi²; 1983 to present.

GAGE.--A Stevens A-70 graphic water stage recorder, satellite monitoring data collection platform with digital shaft encoder installed in a formed concrete shelter. An adjustable reference point with a graduated tape on the float drive for the recorder is used for referencing. An adjustable reference for a drop tape is located below the well manhole. An outside staff gage is used as an additional reference.

REMARKS.--Record is complete and reliable, except for Feb 11, 16-19, 2006, which were ice-affected. The record is good, except for Feb 11, 16-19, 2006, which were estimated and are considered fair. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLASTRO002 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	46	47	66	126	90	30	121	341	288	104	70
2	71	60	49	66	126	90	30	123	338	288	105	70
3	49	68	48	66	134	91	60	126	337	280	105	69
4	33	56	49	70	138	91	86	126	337	264	126	67
5	34	51	60	66	138	94	83	122	333	266	201	66
6	33	52	66	66	142	72	84	121	332	347	184	67
7	33	46	65	67	139	35	85	121	303	432	157	68
8	33	42	64	67	138	55	85	125	266	755	217	67
9	35	40	64	60	138	90	85	121	325	950	265	128
10	35	41	64	57	140	90	85	121	431	1090	229	124
11	34	37	65	67	140	89	85	119	501	907	205	64
12	34	37	66	67	141	51	84	119	544	491	269	64
13	34	39	55	67	138	33	83	119	548	293	308	65
14	34	35	50	67	138	31	83	121	545	426	309	65
15	34	36	44	67	138	30	84	141	449	502	375	135
16	35	34	37	67	138	30	84	153	395	502	365	177
17	35	34	36	67	138	31	83	155	396	447	296	164
18	36	34	36	67	138	31	84	155	397	421	260	150
19	35	34	37	68	138	35	101	155	396	424	249	120
20	35	34	35	68	140	31	117	191	397	461	348	114
21	37	44	35	68	138	31	117	205	398	517	375	134
22	37	62	35	68	138	31	117	271	422	516	312	149
23	37	64	36	110	138	31	117	309	470	441	153	149
24	37	64	35	130	136	31	119	408	471	362	68	149
25	37	64	35	128	106	30	119	365	469	259	69	149
26	37	64	35	125	90	31	119	288	469	325	70	149
27	37	64	35	125	89	31	119	271	470	397	232	147
28	38	59	35	125	90	31	118	274	452	395	347	146
29	38	53	49	126	---	31	120	275	399	302	289	191
30	38	47	67	125	---	30	122	275	343	154	188	241
31	38	---	66	126	---	44	---	304	---	104	101	---
TOTAL	1193	1441	1500	2579	3671	1542	2788	5900	12274	13606	6881	3518
MEAN	38.5	48.0	48.4	83.2	131	49.7	92.9	190	409	439	222	117
AC-FT	2370	2860	2980	5120	7280	3060	5530	11700	24350	26990	13650	6980
MAX	80	68	67	130	142	94	122	408	548	1090	375	241
MIN	33	34	35	57	89	30	30	119	266	104	68	64

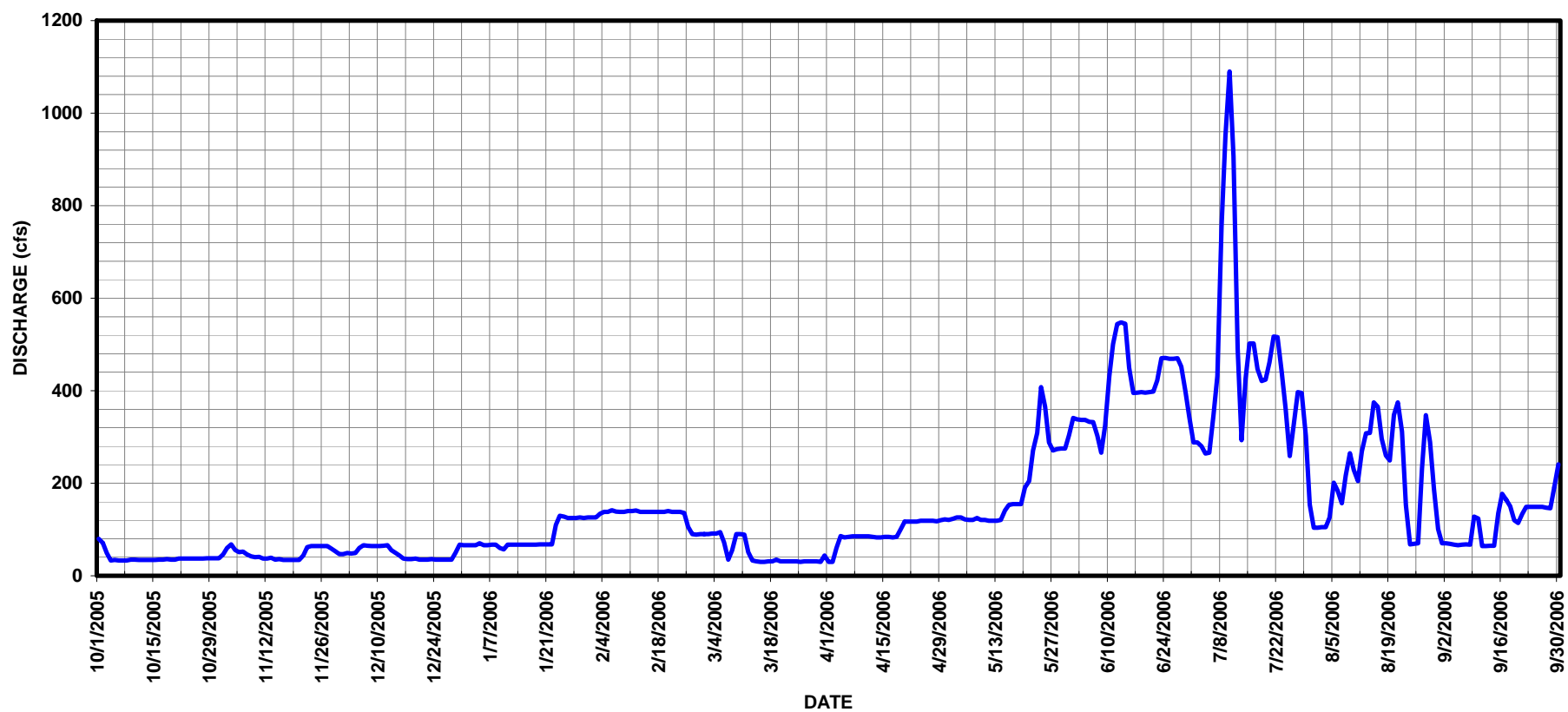
CAL YR	2005	TOTAL	56316	MEAN	154	MAX	810	MIN	29	AC-FT	111700
WTR YR	2006	TOTAL	56893	MEAN	156	MAX	1090	MIN	30	AC-FT	112800

MAX DISCH: 1180 CFS AT 09:45 ON Jul. 10, 2006 GH 5.45 FT. SHIFT 0.11 FT.

MAX GH: 5.45 FT. AT 09:45 ON Jul. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06707501 SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06708000 SOUTH PLATTE RIVER AT WATERTON, CO

LOCATION.--Lat 39°29'18", long 105°05'32", in NE¼ sec. 34, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002, on left bank 168 ft downstream from bridge on State Highway 221, 0.4 mi south of Waterton, 4.7 mi west of Louviers, and 6 mi upstream from Plum Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--2,621 mi²; 1926 to present.

GAGE.--Graphic stage recorder, satellite monitoring DCP with a phone modem, and shaft encoder (on separate floats) in a 60" galvanized, corrugated steel shelter and well. The primary reference is an electric drop tape. Datum of gage 5,484.43 ft National Geodetic Vertical Datum, adjustment of 1912.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for February 18-21, 2006, which were ice affected. The record is rated good, except for the period February 18-21, 2006, which is estimated and poor. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLAWATCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

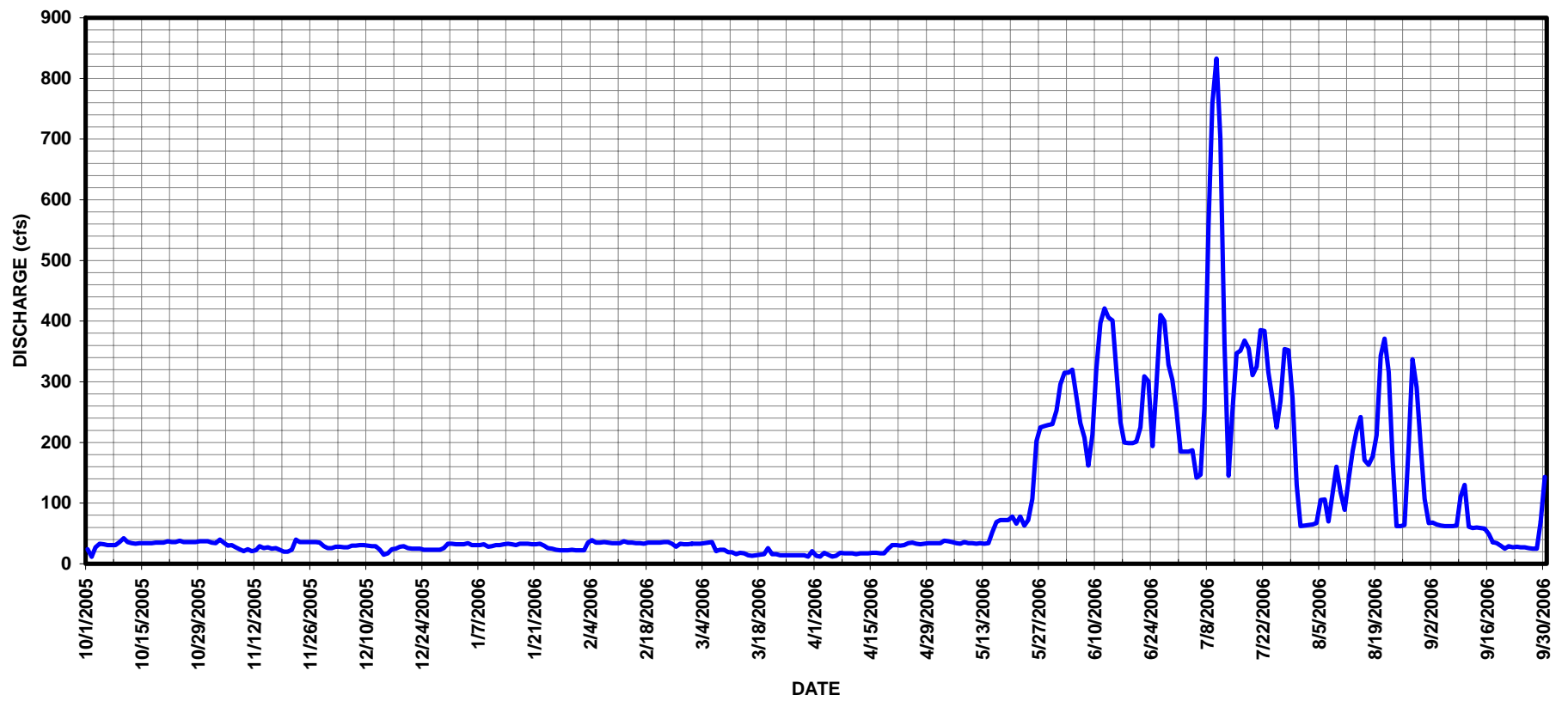
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	35	26	32	22	33	13	34	296	185	63	67
2	12	34	28	32	22	33	12	34	315	185	64	68
3	27	40	28	32	35	33	18	38	315	185	65	65
4	33	35	27	34	39	34	15	37	320	187	67	63
5	32	30	27	31	35	35	12	36	278	142	105	62
6	31	31	30	31	35	36	13	34	232	147	106	62
7	31	27	30	31	36	21	18	33	208	256	70	62
8	31	24	31	32	35	23	17	36	162	559	116	63
9	36	21	31	28	34	23	17	34	213	759	160	110
10	42	24	30	29	34	19	17	34	320	833	118	130
11	36	21	29	31	34	19	16	33	397	702	89	61
12	34	22	29	31	37	16	17	34	421	363	138	59
13	33	29	23	32	35	18	17	33	406	145	186	60
14	34	26	15	33	35	17	17	34	401	252	219	59
15	34	27	17	32	34	14	18	52	319	347	242	58
16	34	25	24	31	34	13	18	69	233	351	171	49
17	34	26	25	33	33	14	17	72	200	368	163	36
18	35	23	28	33	35	15	17	72	199	355	177	34
19	35	20	29	33	35	16	25	72	199	311	212	30
20	35	20	26	32	35	26	31	78	201	325	343	25
21	37	23	25	32	35	16	31	66	225	385	371	29
22	36	40	25	33	36	16	30	78	309	384	316	27
23	36	36	25	30	36	14	31	63	301	316	169	28
24	38	36	23	26	33	14	34	72	194	272	62	27
25	36	36	23	25	28	14	35	107	294	225	62	27
26	36	36	23	23	33	14	33	202	410	268	64	26
27	36	36	23	22	32	14	32	225	400	354	194	25
28	36	35	23	22	32	14	33	227	328	352	337	25
29	37	29	26	22	---	14	34	229	303	273	291	70
30	37	26	33	23	---	12	34	230	252	130	193	143
31	37	---	33	22	---	21	---	253	---	62	107	---
TOTAL	1045	873	815	913	939	621	672	2651	8651	9978	5040	1650
MEAN	33.7	29.1	26.3	29.5	33.5	20.0	22.4	85.5	288	322	163	55.0
AC-FT	2070	1730	1620	1810	1860	1230	1330	5260	17160	19790	10000	3270
MAX	42	40	33	34	39	36	35	253	421	833	371	143
MIN	12	20	15	22	22	12	12	33	162	62	62	25
CAL YR	2005	TOTAL	35783	MEAN	98.0	MAX	717	MIN	12	AC-FT	70980	
WTR YR	2006	TOTAL	33848	MEAN	92.7	MAX	833	MIN	12	AC-FT	67140	

MAX DISCH: 902 CFS AT 11:00 ON Jul. 10, 2006 GH 2.24 FT. SHIFT 0.01 FT.
MAX GH: 2.24 FT. AT 11:00 ON Jul. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06708000 SOUTH PLATTE RIVER AT WATERTON CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR, CO

LOCATION.--Lat 39°33'26", long 105°03'27", SE¼, sec. 1, T.6 S., R.69 W., Jefferson County, Hydrologic Unit 10190002.

DRAINAGE AREA AND PERIOD OF RECORD.--3,018 mi²; Jan. 1, 1985 to present.

GAGE.--A Stevens A-70 graphic water stage recorder and satellite monitoring DCP and shaft encoder installed in a formed concrete well and shelter. A new high data rate DCP was installed in 2006 at the gage location versus the previous location about 2000 ft. away in the control tower for the outlet gates. The DCP is owned and maintained by the DWR. An electric drop tape is used for referencing. There is no outside reference. The recorder shelf was replaced in March, 2006 and the elevation was changed for the electric tape. On September 14, holes were drilled in the floor so that the encoder could be put on its own float. (The encoder had always been connected to the chart recorder with a ladder chain.)

REMARKS.--The primary record is hourly satellite data with chart back up. Daily max and min values agreed with the corrected chart values to within +-0.02 foot. The record is complete and reliable, except for the following period: the linkage between the chart and encoder got kinked and/or the float tape stuck on March 24-27, 2006, such that the recorders did not follow the change in stage/release. However, the time of the gate change was known and the release was constant--so the gage height could be estimated without loss of accuracy. The record is good. Station maintained and record developed by Jana Ash.

RATING TABLE.--PLACHACO03 used from 01-OCT-2005 TO 30-SEPT-2006

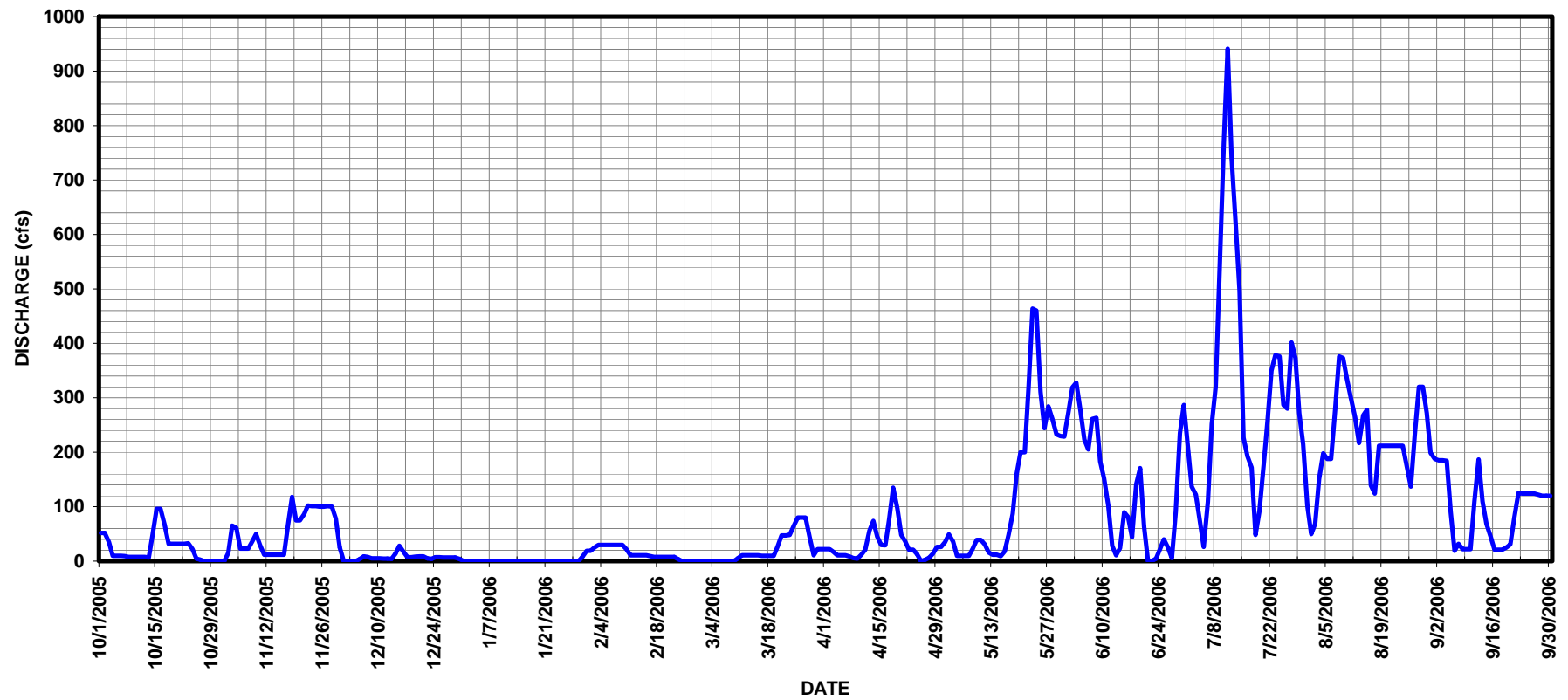
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	.28	.42	.51	19	.09	22	35	274	212	50	188
2	52	15	.33	.50	25	.09	22	49	319	137	69	185
3	35	65	.28	.49	30	.09	17	36	328	122	151	185
4	10	61	.25	.47	30	.09	11	10	276	75	198	184
5	10	23	3.4	.42	30	.09	11	10	223	26	188	91
6	10	23	8.8	.27	30	.11	11	10	205	109	188	19
7	9.3	23	7.8	.05	30	.11	8.8	10	261	252	281	32
8	7.8	36	5.2	.03	30	.12	5.8	23	263	320	376	22
9	7.8	50	5.0	.03	30	.11	4.8	39	183	534	373	22
10	7.8	30	5.0	.31	22	4.9	12	39	152	767	334	22
11	7.8	12	4.7	.62	11	11	21	31	102	941	297	110
12	7.8	12	4.7	.54	11	11	56	16	28	741	264	187
13	6.9	12	4.3	.51	11	11	74	12	11	620	217	110
14	50	12	14	.46	11	11	45	12	24	497	268	69
15	96	12	28	.42	11	11	30	9.1	90	227	278	45
16	96	12	17	.42	9.4	10	29	18	81	193	139	21
17	66	65	7.4	.40	7.8	10	78	48	44	172	124	21
18	32	118	7.4	.37	7.9	10	135	87	141	48	212	21
19	32	75	8.1	.34	7.9	10	97	160	171	92	212	25
20	32	75	8.5	.31	7.8	27	48	200	64	176	212	31
21	32	86	8.5	.21	7.8	47	37	200	.35	257	212	79
22	32	102	5.0	.20	7.8	47	21	322	.28	350	212	125
23	33	101	3.9	.13	3.4	48	21	464	4.5	378	212	124
24	22	101	7.1	.13	.11	64	13	460	22	376	212	124
25	4.7	100	7.1	.13	.11	80	.16	311	40	287	173	124
26	2.7	100	6.8	.12	.09	80	2.7	244	25	280	137	124
27	.25	101	6.8	.12	.09	80	6.2	284	5.6	402	232	122
28	.25	100	6.8	.11	.09	45	14	260	91	373	320	120
29	.27	78	6.8	.11	---	11	26	233	235	272	320	120
30	.25	25	4.2	8.4	---	22	26	230	287	215	272	120
31	.25	---	.48	19	---	22	---	229	---	102	199	---
TOTAL	755.87	1625.28	204.06	36.13	391.29	673.80	905.46	4091.1	3950.73	9553	6932	2772
MEAN	24.4	54.2	6.58	1.17	14.0	21.7	30.2	132	132	308	224	92.4
AC-FT	1500	3220	405	72	776	1340	1800	8110	7840	18950	13750	5500
MAX	96	118	28	19	30	80	135	464	328	941	376	188
MIN	.25	.28	.25	.03	.09	.09	.16	9.1	.28	26	50	19
CAL YR	2005	TOTAL	42017.84	MEAN	115	MAX	895	MIN	.01	AC-FT	83340	
WTR YR	2006	TOTAL	31890.72	MEAN	87.4	MAX	941	MIN	.03	AC-FT	63260	

MAX DISCH: 1010 CFS AT 09:30 ON Jul. 11, 2006 GH 3.93 FT. SHIFT 0.08 FT.
MAX GH: 3.93 FT. AT 09:30 ON Jul. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06709610 SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06710500 BEAR CREEK AT MORRISON, CO

LOCATION.--Lat 39°39'11", long 105°11'42, in SE¼SW¼ sec. 35, T.4 S., R.70 W., Jefferson County, Hydrologic Unit 10190002, on left bank at Morrison, 180 ft upstream from bridge on State Highway 8 and 0.2 mi upstream from Mount Vernon Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--164 mi². Sporadic, incomplete data Sep. 1881 to Feb. 1902. Good data October 1919 to current year. Monthly data for some periods only. Some early years published as near Morrison, at Starbuck, at Idledale. Water quality data from Oct. 1976 to Sep. 1981.

GAGE.--Stevens A-35 graphic stage recorder and satellite monitoring DCP with telephone access in a 60-inch metal shelter and 48 inch well. A new compound weir was installed on the creek just prior to beginning of the 2003 water year. An drop tape from a reference point within the well references all instruments.

REMARKS.--Hourly data is the primary record, taken from satellite monitoring with chart back-up. Accuracy was maintained by 39 visits to the gage. The record is complete and reliable, except for the following periods: Dec. 16-19, 2005, when the DCP and chart both failed; Dec. 6-15, 20, 2005; January 25-28; February 19-21, 2006, when the gage height was ice affected. The record is good except as follows: December 6-20, 2005; January 25-28; February 19-21, 2006, which were estimated and are considered poor; and November 28-December 5, 2005; January 4, 13, 17, 21-24, 29-31; February 1-18, 22-26, 2006; which are fair due to possible ice affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRMORCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

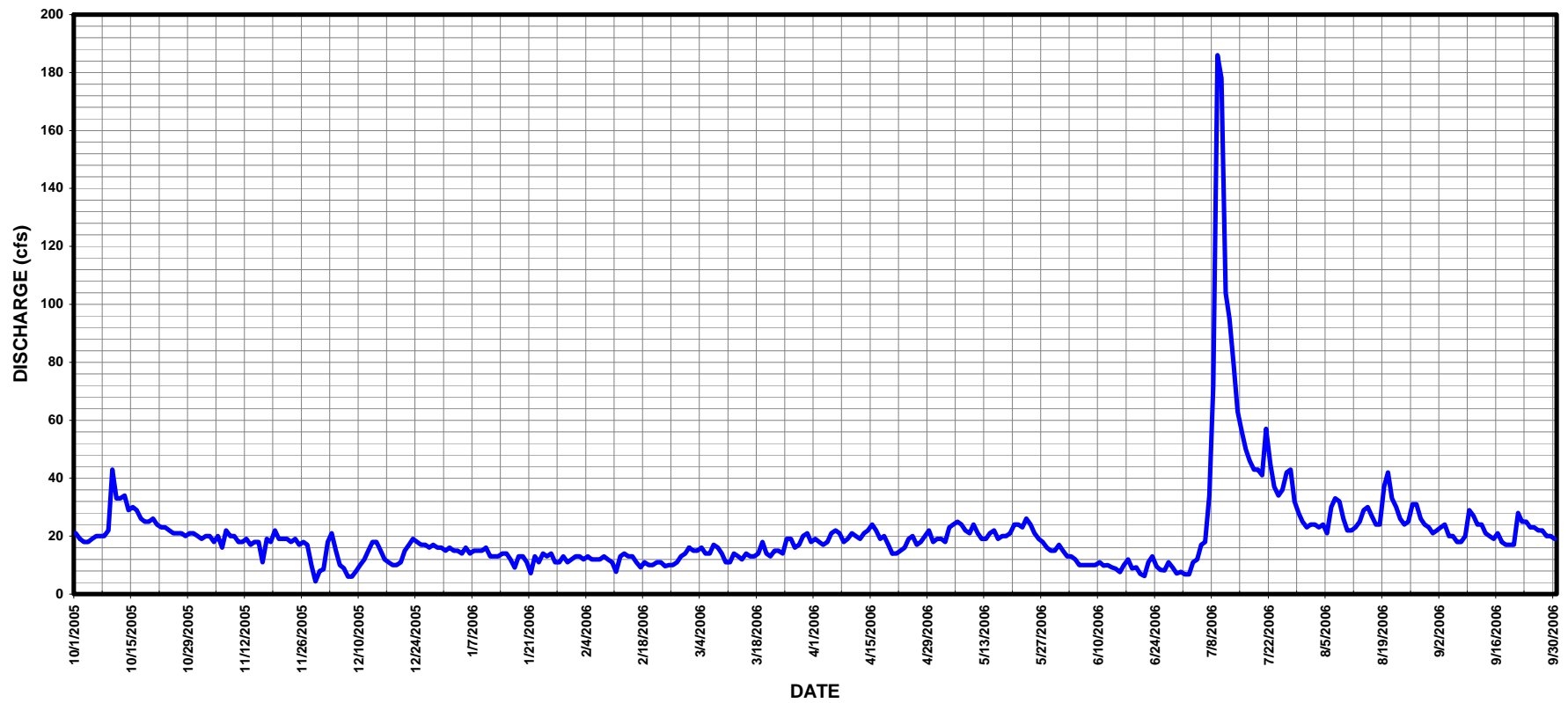
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	19	8.6	16	13	16	19	19	15	6.8	24	22
2	19	20	18	15	13	15	18	19	13	6.8	24	23
3	18	20	21	15	12	15	17	18	13	11	23	24
4	18	18	15	14	13	16	18	23	12	12	24	20
5	19	20	10	16	12	14	21	24	10	17	21	20
6	20	16	8.9	14	12	14	22	25	10	18	30	18
7	20	22	6.0	15	12	17	21	24	10	34	33	18
8	20	20	6.0	15	13	16	18	22	10	72	32	20
9	22	20	8.0	15	12	14	19	21	10	186	26	29
10	43	18	10	16	11	11	21	24	11	178	22	27
11	33	18	12	13	7.7	11	20	21	9.8	104	22	24
12	33	19	15	13	13	14	19	19	10	95	23	24
13	34	17	18	13	14	13	21	19	9.2	79	25	21
14	29	18	18	14	13	12	22	21	8.7	63	29	20
15	30	18	15	14	13	14	24	22	7.6	56	30	19
16	29	11	12	12	11	13	22	19	10	50	27	21
17	26	19	11	9.1	9.2	13	19	20	12	46	24	18
18	25	18	10	13	11	14	20	20	8.8	43	24	17
19	25	22	10	13	10	18	17	21	9.2	43	37	17
20	26	19	11	11	10	14	14	24	7.0	41	42	17
21	24	19	15	7.2	11	13	14	24	6.2	57	33	28
22	23	19	17	13	11	15	15	23	11	45	30	25
23	23	18	19	11	9.6	15	16	26	13	37	26	25
24	22	19	18	14	10	14	19	24	9.5	34	24	23
25	21	17	17	13	10	19	20	21	8.4	36	25	23
26	21	18	17	14	11	19	17	19	8.2	42	31	22
27	21	17	16	11	13	16	18	18	11	43	31	22
28	20	9.8	17	11	14	17	20	16	9.1	32	26	20
29	21	4.4	16	13	---	20	22	15	7.1	28	24	20
30	21	8.0	16	11	---	21	18	15	7.7	25	23	19
31	20	---	15	12	---	18	---	17	---	23	21	---
TOTAL	747	521.2	426.5	406.3	324.5	471	571	643	297.5	1563.6	836	646
MEAN	24.1	17.4	13.8	13.1	11.6	15.2	19.0	20.7	9.92	50.4	27.0	21.5
AC-FT	1480	1030	846	806	644	934	1130	1280	590	3100	1660	1280
MAX	43	22	21	16	14	21	24	26	15	186	42	29
MIN	18	4.4	6.0	7.2	7.7	11	14	15	6.2	6.8	21	17
CAL YR	2005	TOTAL	16752.7	MEAN	45.9	MAX	198	MIN	4.4	AC-FT	33256	
WTR YR	2006	TOTAL	7453.6	MEAN	20.4	MAX	186	MIN	4.4	AC-FT	14780	

MAX DISCH: 242 CFS AT 06:00 ON Jul. 9, 2006 GH 7.11 FT. SHIFT 0.05 FT. DATUM CORRECTION -0.05 FT.
MAX GH: 7.06 FT. (Corrected) AT 06:00 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06710500 BEAR CREEK AT MORRISON CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN, CO

LOCATION.--Lat 39°39'08", long 105°01'57", in NW¼NW¼ sec. 5, T,5 S., R.68 W., Arapahoe County, Hydrologic Unit 10190002 on left bank just downstream from bridge on South Lowell Blvd., at Highway Department maintenance building at northwest city limits of Sheridan, 1.3 mi upstream from mouth, and 2.1 mi west of city hall in Englewood.

DRAINAGE AREA AND PERIOD OF RECORD.--260 mi². April to Nov. 1914, March 1927 to current year. Monthly data only prior to Oct. 1933.

GAGE.--Stevens A-35 graphic stage recorder and Sutron 8210 DCP with digital shaft encoder and phone (speech card) modem in a 42 inch corrugated metal shelter and well.

REMARKS.--The primary record is hourly data from satellite with chart back-up. Mean daily values were taken from the chart (due to missing DCP data) on the following days: October 2-3, 2005, May 27-29, 2006. The data are complete and reliable, except for the following days: December 5-11, 15-18, 2005 and Feb 11-12 & 17-20, 2006 due to possible ice affect; and, January 17-18, 2006, when there was debris on the control. The record is rated as good, except for the following estimated days, which are fair, December 5-11, 15-18, 2005 and Feb 11-12 & 17-20, 2006 due to possible ice affect; and, January 17-18, 2006, when there was debris on the control. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BCRSHECO32 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

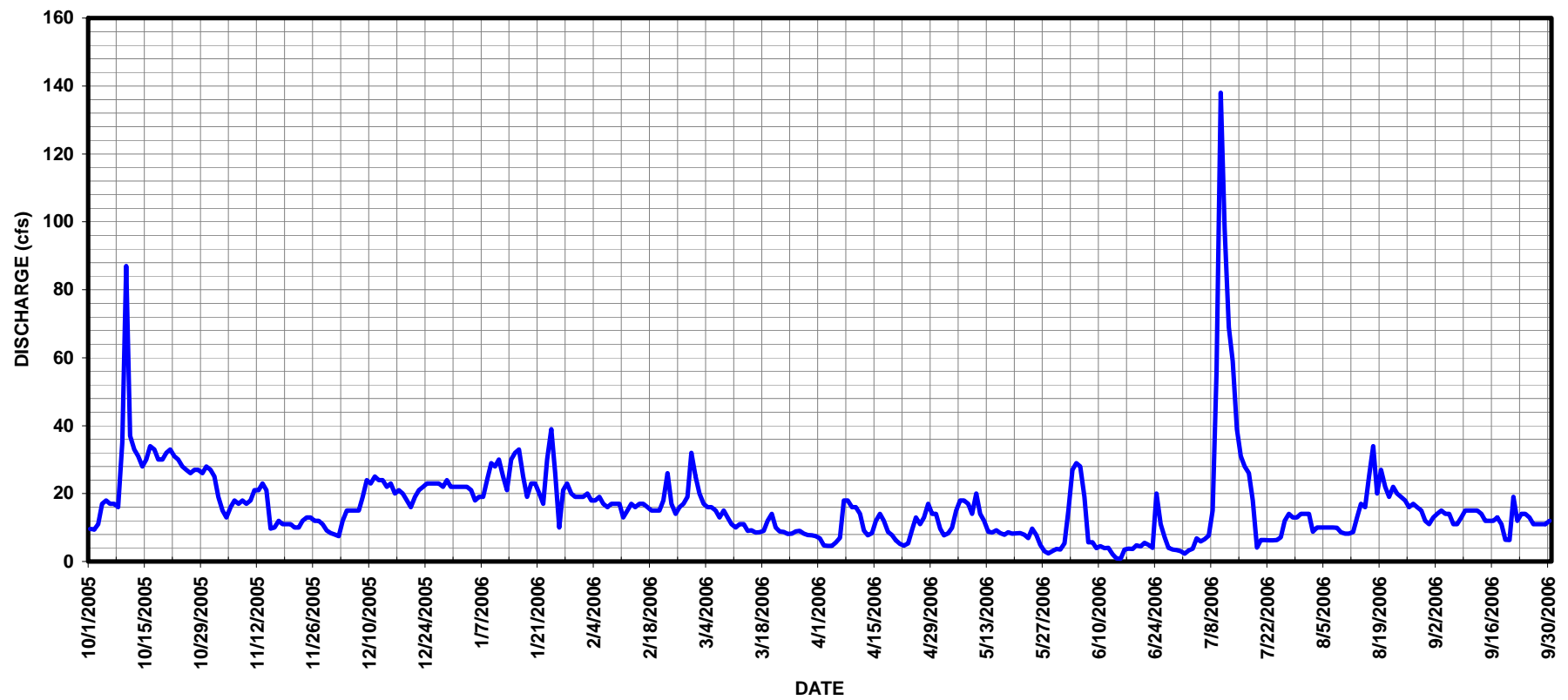
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	25	8.0	22	19	25	6.8	9.7	5.3	2.3	14	13
2	9.4	19	7.5	22	20	20	4.8	7.7	15	3.3	8.8	14
3	11	15	12	22	18	17	4.6	8.3	27	3.8	10	15
4	17	13	15	21	18	16	4.6	9.9	29	6.8	10	14
5	18	16	15	18	19	16	5.6	15	28	5.9	10	14
6	17	18	15	19	17	15	7.0	18	19	6.6	10	11
7	17	17	15	19	16	13	18	18	5.7	7.6	10	11
8	16	18	19	24	17	15	18	17	5.7	15	9.9	13
9	35	17	24	29	17	13	16	14	3.9	56	8.6	15
10	87	18	23	28	17	11	16	20	4.5	138	8.2	15
11	37	21	25	30	13	10	14	14	3.9	98	8.2	15
12	33	21	24	25	15	11	9.1	12	4.0	69	8.7	15
13	31	23	24	21	17	11	7.7	8.8	2.1	59	13	14
14	28	21	22	30	16	9.0	8.4	8.5	.88	39	17	12
15	30	9.7	23	32	17	9.2	12	9.2	.85	31	16	12
16	34	10	20	33	17	8.5	14	8.4	3.5	28	25	12
17	33	12	21	25	16	8.6	12	7.9	3.8	26	34	13
18	30	11	20	19	15	9.0	8.7	8.6	3.7	18	20	11
19	30	11	18	23	15	12	7.8	8.2	4.8	4.1	27	6.4
20	32	11	16	23	15	14	6.2	8.3	4.4	6.3	22	6.3
21	33	10	19	20	18	10	5.2	8.4	5.5	6.3	19	19
22	31	10	21	17	26	8.9	4.7	7.9	4.9	6.2	22	12
23	30	12	22	30	17	8.7	5.3	6.9	4.0	6.2	20	14
24	28	13	23	39	14	8.1	9.3	9.7	20	6.3	19	14
25	27	13	23	26	16	8.2	13	7.8	11	7.1	18	13
26	26	12	23	10	17	8.9	11	4.9	7.2	12	16	11
27	27	12	23	21	19	9.0	13	3.0	4.0	14	17	11
28	27	11	22	23	32	8.2	17	2.4	3.5	13	16	11
29	26	9.1	24	20	---	7.8	14	3.0	3.4	13	15	11
30	28	8.4	22	19	---	7.7	14	3.7	3.0	14	12	12
31	27	---	22	19	---	7.5	---	3.5	---	14	11	---
TOTAL	865.0	437.2	610.5	729	493	356.3	307.8	292.7	241.53	735.8	475.4	379.7
MEAN	27.9	14.6	19.7	23.5	17.6	11.5	10.3	9.44	8.05	23.7	15.3	12.7
AC-FT	1720	867	1210	1450	978	707	611	581	479	1460	943	753
MAX	87	25	25	39	32	25	18	20	29	138	34	19
MIN	9.4	8.4	7.5	10	13	7.5	4.6	2.4	.85	2.3	8.2	6.3

CAL YR	2005	TOTAL	20004.6	MEAN	54.8	MAX	316	MIN	4.6	AC-FT	39680
WTR YR	2006	TOTAL	5923.93	MEAN	16.2	MAX	138	MIN	.85	AC-FT	11750

MAX DISCH: 279 CFS AT 19:05 ON Jun. 24, 2006 GH 3.80 FT. SHIFT 0 FT.
MAX GH: 3.80 FT. AT 19:05 ON Jun. 24, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06711500 BEAR CREEK AT MOUTH, AT SHERIDAN CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06714000 SOUTH PLATTE RIVER AT DENVER, CO

LOCATION.--Lat 39°45'35", long 105°00'10", in NW¼SE¼ sec. 28, T.3 S., R.68 W., Denver County, Hydrologic Unit 10190003, on right bank 90 ft Upstream from Nineteenth Street Bridge in Denver and 0.4 mi downstream from Cherry Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--3,861 mi². May 1889 to Oct. 1890 sporadic record. July 1895 to current year continuous. Monthly data only for some periods.

GAGE.--The shelter is 72 inch by 72 inch precast concrete structure with a 48 inch corrugated steel well. The station uses an electric drop tape, Sutron 8210 satellite telemetry with a phone modem interface (303-297-9505), a continuous chart recorder and a supplemental outside wire weight. A city water line is plumbed to the gage for flushing the inlets. The gage and chart recorder are maintained by DWR. The USGS Lakewood Field Office maintains the satellite equipment and phone interface for the USCOE.

REMARKS.--The primary record is fifteen minute data taken from satellite monitoring with chart backup. Daily maximum & minimum stages for the satellite record checked to within ±0.02 with the chart. The record is complete and reliable. The record is considered good, except for October 9-10, 2005; July 3-5, August 13-14, and August 19-20, 2006, which are fair due to lack of confirming measurements above 574 cfs since 1999, the assumed shift above a gage height of 4.53, and the possible inaccuracies with flows being too fast for the 50 lb weight bridge measurement and too shallow for the 75 lb weight. The yearly peak flow recorded on August 13, 2006 is also considered fair. Station maintained by Jana Ash and record developed by Jana Ash and Russell Stroud.

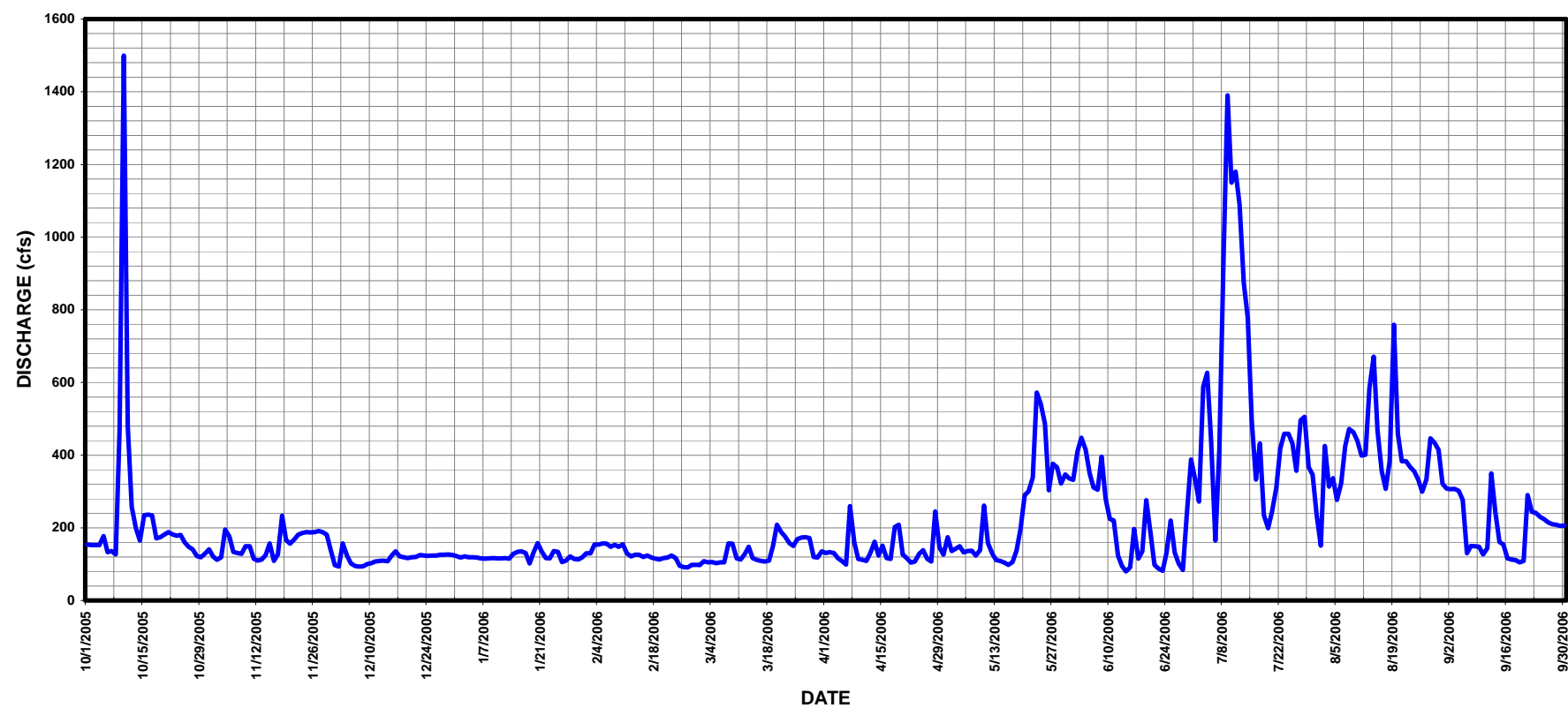
RATING TABLE.--PLADENCO33 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	121	97	118	130	98	131	174	332	334	151	308
2	152	112	93	121	130	108	133	136	410	272	425	306
3	152	119	157	119	154	105	131	142	448	588	313	307
4	152	195	124	119	154	106	117	149	415	627	337	302
5	177	176	102	118	157	103	108	132	351	438	277	277
6	133	134	95	116	156	105	99	136	311	165	323	130
7	136	131	93	115	148	105	260	137	305	415	424	150
8	127	128	94	116	153	157	160	124	396	946	472	149
9	467	149	100	117	148	156	114	138	281	1390	463	148
10	1500	149	103	116	155	116	112	261	225	1150	440	127
11	479	115	107	116	130	113	109	158	220	1180	399	144
12	257	110	109	117	121	127	131	129	124	1090	401	350
13	198	113	110	115	126	148	162	111	95	874	585	246
14	165	125	108	128	126	117	124	109	80	778	671	161
15	235	157	124	134	120	112	151	104	91	496	468	154
16	236	109	135	135	124	109	117	98	197	333	355	116
17	234	127	121	131	118	107	114	106	115	432	307	113
18	171	233	119	102	115	110	202	137	135	235	383	111
19	174	166	117	132	113	150	208	196	276	199	759	105
20	181	156	119	158	117	208	127	290	186	245	459	109
21	188	168	120	135	118	188	116	300	98	310	383	290
22	182	181	125	117	124	176	104	338	88	418	383	244
23	178	186	124	116	117	158	107	572	82	459	368	241
24	180	188	123	136	96	150	128	542	131	459	355	230
25	160	187	124	134	92	169	138	487	220	432	333	224
26	148	188	124	106	91	173	114	303	132	357	299	215
27	141	191	126	110	98	174	107	376	102	496	333	210
28	122	188	126	121	98	172	245	366	84	505	446	208
29	119	181	127	114	---	120	146	322	238	367	434	205
30	128	140	125	113	---	118	126	347	388	346	414	206
31	141	---	122	119	---	135	---	336	---	237	321	---
TOTAL	7167	4623	3593	3764	3529	4193	4141	7256	6556	16573	12481	6086
MEAN	231	154	116	121	126	135	138	234	219	535	403	203
AC-FT	14220	9170	7130	7470	7000	8320	8210	14390	13000	32870	24760	12070
MAX	1500	233	157	158	157	208	260	572	448	1390	759	350
MIN	119	109	93	102	91	98	99	98	80	165	151	105
CAL YR	2005	TOTAL	114414	MEAN	313	MAX	2220	MIN	83	AC-FT	226960	
WTR YR	2006	TOTAL	79962	MEAN	219	MAX	1500	MIN	80	AC-FT	158600	

MAX DISCH: 2860 CFS AT 22:30 ON Aug. 13, 2006 GH 6.68 FT. SHIFT 0.17 FT.
MAX GH: 6.68 FT. AT 22:30 ON Aug. 13, 2006

06714000 SOUTH PLATTE RIVER AT DENVER CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06720000 CLEAR CREEK AT DERBY, CO

LOCATION.--Lat 39°49'42", long 104°57'30", in SW¼SW¼ sec. 36, T.2 S., R.68 W., Adams County, Hydrologic Unit 10190004, on right bank 875 ft downstream from York Street bridge, 0.5 mi upstream from mouth, and 2.5 mi west of Derby.

DRAINAGE AREA AND PERIOD OF RECORD.--575 mi²; April-Nov. 1914, 1927 to present.

GAGE.--Graphic water-stage recorder with satellite monitoring DCP with digital shaft encoder and Telemark in a 60 inch corrugated metal shelter and well. Station at this datum since June 26, 1992. Primary reference is by electric drop tape.

REMARKS.--The primary record is hourly satellite data and mean daily gage heights from the chart. Daily maximum and minimum stages for the satellite record checked to within ± 0.02 with the chart. The record is complete and reliable, except for the following periods: December 7-20, 2005 and February 16-26, 2006, due to ice affecting the stage-discharge relationship; and, February 27 to April 22, 2006, due to shaft encoder problems. Hourly and mean daily values from the chart were used during this period. The chart record had persistent pen corrections of +0.03 and +0.04 ft during this period. The record is good, except for December 7-20, 2005 which is estimated and poor due to ice; February 16-26, 2006, which is fair due to indeterminate ice affects; and February 27-April 22, 2006, which is fair due to poor recorder calibration. Station maintained and record developed by Steve Barrett.

RATING TABLE.--CLEDERCO34 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

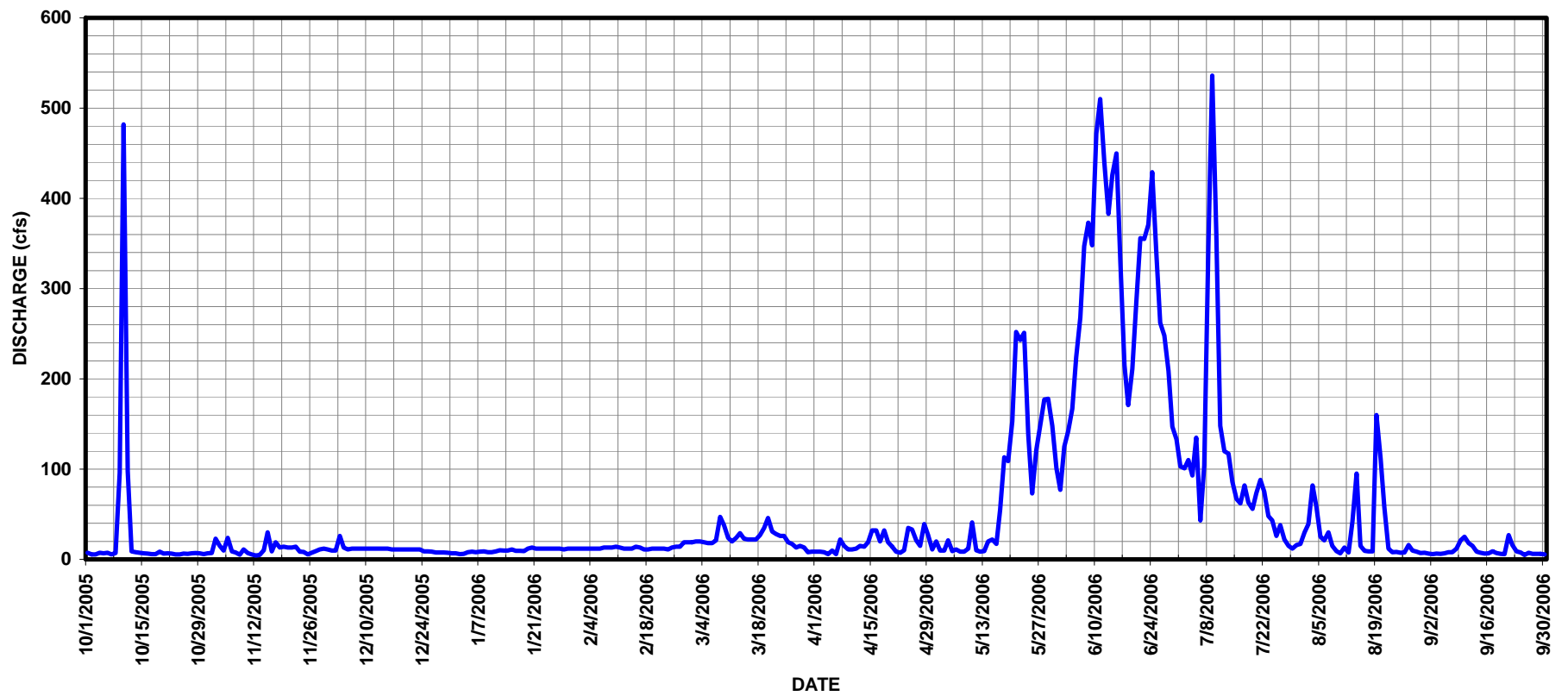
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	7.1	9.7	6.6	12	19	8.5	20	77	103	30	6.5
2	5.5	23	9.9	5.7	12	20	8.5	9.8	125	101	39	5.8
3	5.6	15	26	6.0	12	20	7.8	9.9	142	110	82	6.4
4	7.4	9.9	13	8.0	12	19	5.9	21	167	93	58	6.1
5	6.6	24	11	8.6	12	18	9.7	9.3	224	135	25	6.8
6	7.2	8.8	12	8.0	12	18	5.9	11	268	43	21	7.9
7	5.5	7.7	12	8.7	13	21	22	8.6	347	104	30	8.1
8	6.9	5.2	12	9.0	13	47	15	8.5	373	347	15	12
9	96	11	12	7.8	13	38	11	12	348	536	9.1	21
10	482	6.9	12	7.8	14	24	11	41	472	358	6.8	25
11	98	5.4	12	8.9	13	20	12	10	510	148	13	18
12	9.0	4.3	12	10	12	24	15	8.7	440	120	7.7	15
13	7.8	4.8	12	9.8	12	29	14	9.3	383	117	42	8.5
14	7.3	10	12	9.9	12	23	19	20	426	86	95	7.2
15	6.6	30	12	11	14	22	32	22	450	67	15	6.4
16	6.4	8.9	11	9.4	13	22	32	17	331	62	9.4	6.8
17	5.8	19	11	9.4	11	22	20	55	215	82	8.8	8.9
18	5.9	13	11	9.3	11	27	32	113	171	63	8.9	7.0
19	8.6	14	11	12	12	35	19	109	211	56	160	6.2
20	6.4	13	11	13	12	46	14	153	283	73	112	5.9
21	6.6	13	11	12	12	31	8.5	252	356	88	58	27
22	6.3	14	11	12	12	28	7.2	243	355	75	12	16
23	5.6	8.5	11	12	11	26	10	251	371	48	7.9	9.0
24	5.4	8.3	8.8	12	13	26	35	138	429	43	8.2	7.6
25	6.4	5.4	8.8	12	14	19	33	73	339	26	7.3	4.9
26	6.2	7.2	8.7	12	14	17	21	121	262	38	7.6	7.2
27	6.7	9.3	7.5	12	19	13	15	148	248	22	16	6.0
28	7.1	11	7.7	11	19	15	39	177	209	15	9.8	6.1
29	6.6	12	7.6	12	---	13	27	178	147	12	8.7	6.0
30	5.7	11	7.2	12	---	7.8	11	148	133	16	6.9	5.6
31	6.6	---	6.8	12	---	8.5	---	101	---	17	7.4	---
TOTAL	860.9	340.7	340.7	309.9	361	718.3	521.0	2498.1	8812	3204	937.5	290.9
MEAN	27.8	11.4	11.0	10.0	12.9	23.2	17.4	80.6	294	103	30.2	9.70
AC-FT	1710	676	676	615	716	1420	1030	4950	17480	6360	1860	577
MAX	482	30	26	13	19	47	39	252	510	536	160	27
MIN	5.4	4.3	6.8	5.7	11	7.8	5.9	8.5	77	12	6.8	4.9

CAL YR	2005	TOTAL	32192.2	MEAN	88.2	MAX	724	MIN	3.5	AC-FT	63850
WTR YR	2006	TOTAL	19195	MEAN	52.6	MAX	536	MIN	4.3	AC-FT	38070

MAX DISCH: 993 CFS AT 05:30 ON Jul. 9, 2006 GH 2.89 FT. SHIFT -0.02 FT.
MAX GH: 2.89 FT. AT 05:30 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06720000 CLEAR CREEK AT DERBY CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06720500 SOUTH PLATTE RIVER AT HENDERSON, CO

LOCATION --Lat 39°55'19", long 104°52'00", in SE¼NE¼ sec. 34, T.1 S., R.67 W., Adams County, Hydrologic Unit 10190003, on right bank 500 ft upstream from bridge on State Highway 22 and 0.2 mi northwest of Henderson.

PERIOD OF RECORD AND DRAINAGE AREA --4,768 mi². May 1926 to current year. Monthly data only prior to 1933. Periodic water quality data available starting in 1955.

GAGE --Water-stage recorder with satellite telemetry, shaft encoder and phone modem in a 42-inch metal pipe shelter with electric drop tape and outside wire weight as additional reference. Water quality instrumentation installed by other agencies. Datum of gage, formerly 4999.12 ft. MSL, (NAVD 1929), revised by survey this year to 5001.25 ft MSL (NAVD 1988).

REMARKS --The primary record is fifteen minute data taken from satellite monitoring with chart backup. The encoder remained in good calibration. The gage was visited 39 times and the encoder had only two adjustments. The gage height record is complete. The record is reliable, except for a 6-hr period on October 18, 2005, when work was done in the channel to extend the well inlet pipes. The new control has created a sand bar moving in the direction of the gage that has been causing the inlets to become buried. The extended pipe inlets are expected to mitigate this problem. Record is rated as good, except October 18, 2005, which is fair. Station maintained and record developed by Jana Ash.

RATING TABLE --PLAHENCO33 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

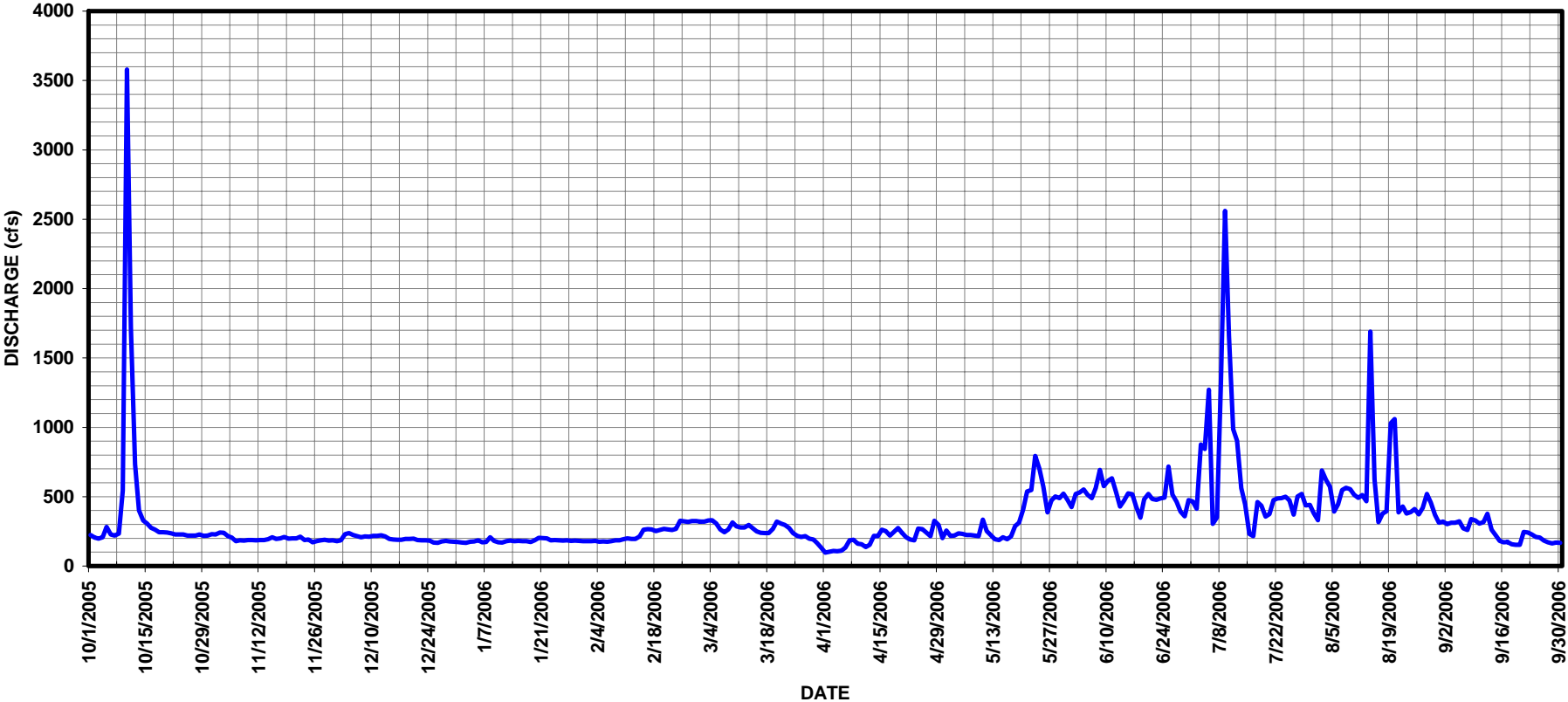
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	227	180	169	179	321	97	256	425	465	331	320
2	205	242	186	168	180	320	103	217	519	412	688	303
3	198	240	229	176	182	329	108	219	529	876	621	313
4	207	216	238	178	175	330	106	235	551	843	571	312
5	281	206	223	185	177	307	111	232	513	1270	393	323
6	227	179	215	172	176	263	133	223	489	305	446	271
7	219	186	207	173	180	243	185	223	561	350	548	259
8	233	184	214	208	185	264	190	220	693	1310	563	338
9	543	188	211	181	186	314	161	216	576	2560	553	329
10	3580	187	217	171	193	285	158	335	615	1660	513	307
11	1720	185	218	169	200	277	136	252	632	986	492	316
12	734	187	221	179	196	278	154	222	532	902	512	376
13	401	187	214	184	195	296	217	194	430	561	468	261
14	328	193	195	180	214	274	215	188	474	443	1690	224
15	307	207	191	181	261	249	262	207	523	231	624	182
16	275	195	190	180	265	240	252	194	517	215	316	171
17	261	200	189	179	264	238	220	214	427	462	378	173
18	243	209	196	173	252	237	245	289	349	435	395	158
19	244	198	196	186	260	268	273	312	482	357	1030	154
20	241	200	197	204	267	320	239	408	519	375	1060	154
21	235	199	188	202	263	306	208	538	483	475	387	245
22	228	212	185	199	259	297	191	548	477	488	430	241
23	228	188	185	185	267	274	185	793	488	489	379	228
24	227	191	183	187	327	238	270	700	494	500	388	210
25	220	172	170	185	323	218	265	573	718	474	410	206
26	219	180	168	183	318	210	242	386	516	371	373	184
27	219	185	177	185	325	215	215	474	463	501	419	172
28	228	190	181	182	324	198	326	502	393	519	520	164
29	218	184	178	183	---	191	296	489	358	437	457	169
30	220	186	175	182	---	165	202	521	475	442	368	167
31	229	---	174	179	---	131	---	475	---	380	312	---
TOTAL	13142	5903	6091	5648	6593	8096	5965	10855	15221	20094	16635	7230
MEAN	424	197	196	182	235	261	199	350	507	648	537	241
AC-FT	26070	11710	12080	11200	13080	16060	11830	21530	30190	39860	33000	14340
MAX	3580	242	238	208	327	330	326	793	718	2560	1690	376
MIN	198	172	168	168	175	131	97	188	349	215	312	154
CAL YR	2005	TOTAL	160257	MEAN	439	MAX	3580	MIN	105	AC-FT	317850	
WTR YR	2006	TOTAL	121473	MEAN	333	MAX	3580	MIN	97	AC-FT	240900	

MAX DISCH: 4040 CFS AT 06:30 ON Oct. 10, 2005 GH 7.31 FT. SHIFT 0.27 FT.

MAX GH: 7.31 FT. AT 06:30 ON Oct. 10, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06720500 SOUTH PLATTE RIVER AT HENDERSON CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO

LOCATION.--Lat 40 07' 55", long 105 31' 00", NE1/4 NW1/4 Sec. 24, T.2 N., R.73 W.

PERIOD OF RECORD AND DRAINAGE AREA.--Gage established on May 14, 1998 by State of Colorado, Division of Water Resources personnel. The record at this gage is partial year record only.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP with shaft encoder in 48" diameter metal pipe shelter and well. DCP is the primary record with chart as a backup.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for: October 28, 2005 to April 27, 2006, when the station was closed for winter; August 2, 2006, when the flush valve broke in the closed position. The valve was replaced on August 3, 2006, with the gage operating on seepage in the meantime. The seepage record appeared to follow the slope of previous days, and the gage was reading correctly when the inlet was reopened on August 3. The record is good, except the partial record days on October 28, 2005 and April 27, 2006, which are estimated and poor; and August 2-3, 2006 and the June 9, 2006 instantaneous peak (244 cfs) which are fair. This is a seasonal station and is closed during the winter. Station maintained and record developed by Russell Stroud.

RATING TABLE.--MIDSTECO04 USED FROM 01-OCT-2005 TO 28-OCT-2005
MIDSTECO04 USED FROM 27-APR-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

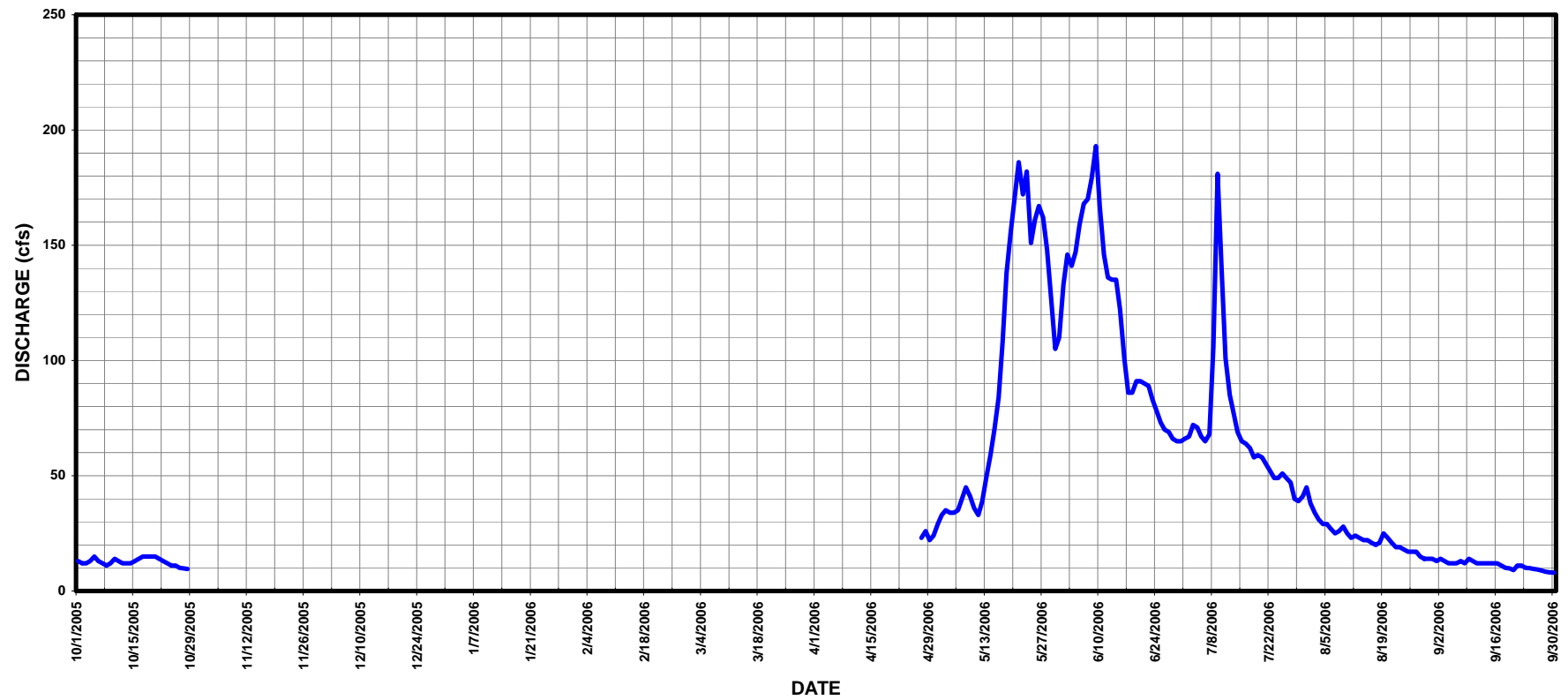
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	---	---	---	---	---	---	29	133	66	38	13
2	12	---	---	---	---	---	---	33	146	67	34	14
3	12	---	---	---	---	---	---	35	141	72	31	13
4	13	---	---	---	---	---	---	34	147	71	29	12
5	15	---	---	---	---	---	---	34	159	67	29	12
6	13	---	---	---	---	---	---	35	168	65	27	12
7	12	---	---	---	---	---	---	40	170	68	25	13
8	11	---	---	---	---	---	---	45	179	106	26	12
9	12	---	---	---	---	---	---	41	193	181	28	14
10	14	---	---	---	---	---	---	36	167	140	25	13
11	13	---	---	---	---	---	---	33	146	101	23	12
12	12	---	---	---	---	---	---	39	136	85	24	12
13	12	---	---	---	---	---	---	49	135	77	23	12
14	12	---	---	---	---	---	---	59	135	69	22	12
15	13	---	---	---	---	---	---	70	122	65	22	12
16	14	---	---	---	---	---	---	84	101	64	21	12
17	15	---	---	---	---	---	---	108	86	62	20	11
18	15	---	---	---	---	---	---	138	86	58	21	10
19	15	---	---	---	---	---	---	156	91	59	25	9.8
20	15	---	---	---	---	---	---	171	91	58	23	9.1
21	14	---	---	---	---	---	---	186	90	55	21	11
22	13	---	---	---	---	---	---	172	89	52	19	11
23	12	---	---	---	---	---	---	182	83	49	19	10
24	11	---	---	---	---	---	---	151	78	49	18	9.9
25	11	---	---	---	---	---	---	161	73	51	17	9.6
26	10	---	---	---	---	---	---	167	70	49	17	9.3
27	9.8	---	---	---	---	---	23	162	69	47	17	8.8
28	9.5	---	---	---	---	---	26	148	66	40	15	8.3
29	---	---	---	---	---	---	22	126	65	39	14	8.1
30	---	---	---	---	---	---	24	105	65	41	14	8.0
31	---	---	---	---	---	---	---	110	---	45	14	---
TOTAL	353.3	---	---	---	---	---	95	2939	3480	2118	701	333.9
MEAN	12.6	---	---	---	---	---	23.7	94.8	116	68.3	22.6	11.1
AC-FT	701	---	---	---	---	---	188	5830	6900	4200	1390	662
MAX	15	---	---	---	---	---	26	186	193	181	38	14
MIN	9.5	---	---	---	---	---	22	29	65	39	14	8.0

CAL YR	2005	TOTAL	9824.5	MEAN	--	MAX	250	MIN	8.9	AC-FT	19490 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	10020.2	MEAN	54.2	MAX	193	MIN	8	AC-FT	19880 (PARTIAL YEAR RECORD)

MAX DISCH: 244 CFS AT 19:30 ON Jun. 9, 2006 GH 2.97 FT. SHIFT 0.03 FT.
MAX GH: 2.97 FT. AT 19:30 ON Jun. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

MIDDLE ST. VRain CREEK NR. PEACEFUL VALLEY CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

SOUTH ST. VRAIN CREEK NEAR WARD, CO

LOCATION.--Lat 40°05'27", long 105°30'50"

DRAINAGE AREA AND PERIOD OF RECORD.--14.4 mi²; 1925-27,28-31, 54-73, 1992 to present.

GAGE.--Graphic water-stage recorder and a high data rate data collection platform (DCP) with shaft encoder in 42-inch diameter corrugated metal pipe shelter and well. DCP is primary record with chart as backup.

REMARKS.--The primary record is hourly satellite data with chart backup. Record is complete and reliable except for the following periods: October 28, 2005 to April 27, 2006 when the station was shut down for winter. The record is good, except for flows above 200 cfs which are fair to poor due to lack of recent measurements in this range. This is a partial year record, for water year 2006 the gage operated from October 1, 2005 to October 28, 2005 and April 27, 2006 to September 30, 2006. Discharges for October 28 and April 27 are estimated and poor, since they are based on partial day record. Station maintained and record developed by Russell Stroud.

RATING TABLE.--SSVWARCO10 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

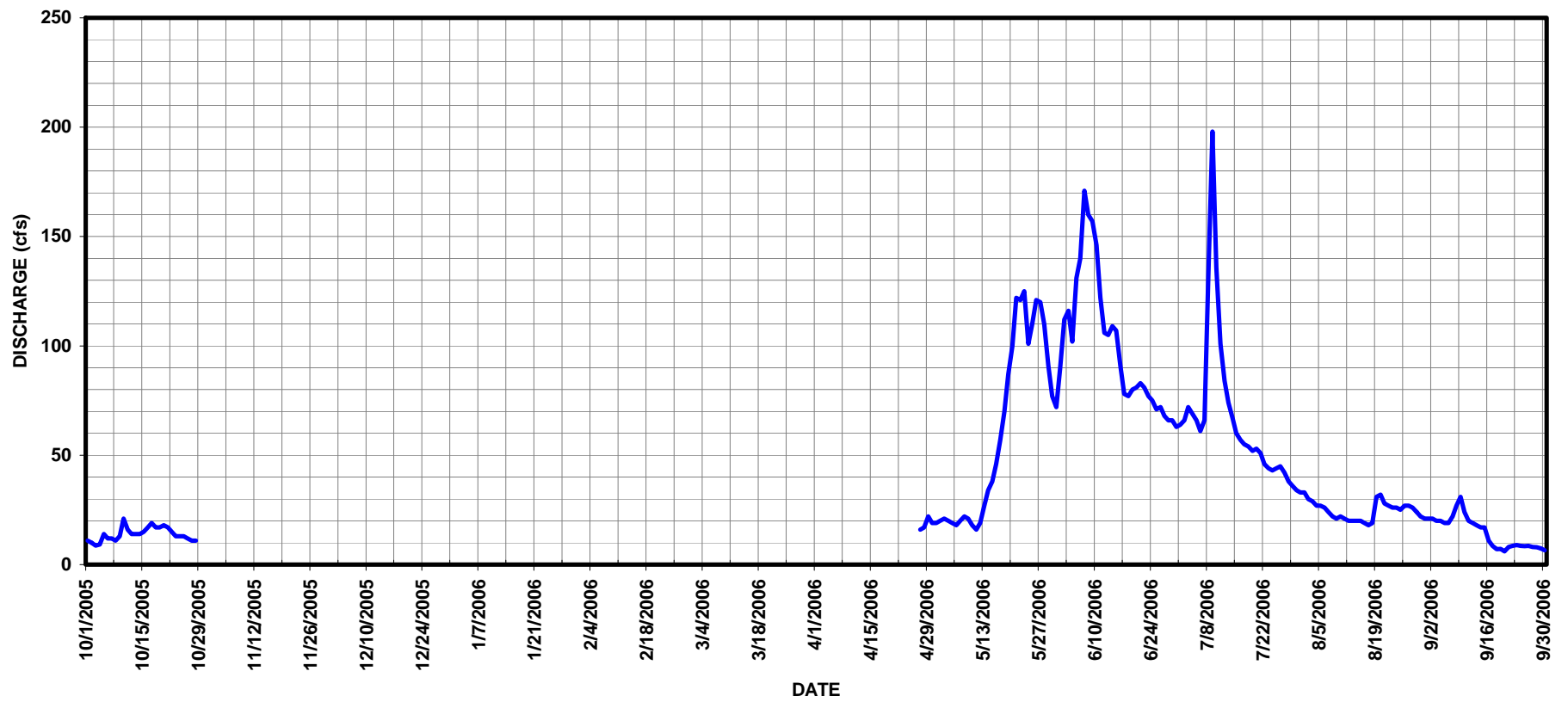
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	-	-	-	-	-	-	19	90	64	33	21
2	10	-	-	-	-	-	-	20	112	66	30	21
3	8.7	-	-	-	-	-	-	21	116	72	29	20
4	9.2	-	-	-	-	-	-	20	102	69	27	20
5	14	-	-	-	-	-	-	19	131	66	27	19
6	12	-	-	-	-	-	-	18	140	61	26	19
7	12	-	-	-	-	-	-	20	171	66	24	22
8	11	-	-	-	-	-	-	22	160	132	22	27
9	13	-	-	-	-	-	-	21	157	198	21	31
10	21	-	-	-	-	-	-	18	146	136	22	24
11	16	-	-	-	-	-	-	16	122	101	21	20
12	14	-	-	-	-	-	-	19	106	84	20	19
13	14	-	-	-	-	-	-	27	105	74	20	18
14	14	-	-	-	-	-	-	34	109	67	20	17
15	15	-	-	-	-	-	-	38	107	60	20	17
16	17	-	-	-	-	-	-	46	91	57	19	11
17	19	-	-	-	-	-	-	57	78	55	18	8.6
18	17	-	-	-	-	-	-	70	77	54	19	7.0
19	17	-	-	-	-	-	-	87	80	52	31	7.2
20	18	-	-	-	-	-	-	100	81	53	32	6.0
21	17	-	-	-	-	-	-	122	83	51	28	8.0
22	15	-	-	-	-	-	-	121	81	46	27	8.6
23	13	-	-	-	-	-	-	125	77	44	26	9.0
24	13	-	-	-	-	-	-	101	75	43	26	8.5
25	13	-	-	-	-	-	-	110	71	44	25	8.4
26	12	-	-	-	-	-	-	121	72	45	27	8.5
27	11	-	-	-	-	-	16	120	68	42	27	8.1
28	11	-	-	-	-	-	17	110	66	38	26	7.9
29	-	-	-	-	---	-	22	91	66	36	24	7.4
30	-	-	-	-	---	-	19	77	63	34	22	6.5
31	-	---	-	-	---	-	---	72	---	33	21	---
TOTAL	387.9	-	-	-	-	-	74	1862	3003	2043	760	435.7
MEAN	12.5	-	-	-	-	-	2.47	60.1	100	65.9	24.5	14.5
AC-FT	769	-	-	-	-	-	147	3690	5960	4050	1510	864
MAX	21	-	-	-	-	-	22	125	171	198	33	31
MIN	-	-	-	-	-	-	-	16	63	33	18	6.0

CAL YR	2005	TOTAL	8164.6	MEAN	22.4	MAX	174	MIN	-	AC-FT	16190 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	8565.6	MEAN	23.5	MAX	198	MIN	-	AC-FT	16990 (PARTIAL YEAR RECORD)

MAX DISCH: 241 CFS AT 05:45 ON Jul. 9, 2006 GH 2.96 FT. SHIFT 0.12 FT.
MAX GH: 2.96 FT. AT 05:45 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH ST. VRAIN CREEK NEAR WARD CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD, CO

LOCATION.--Lat 40°05'29", long 105°30'31", the gage is located ¼ mile downstream from gage on S. St. Vrain Creek off Highway 72.

PERIOD OF RECORD AND DRAINAGE AREA.--Established station on May 21, 1992 at request of Water Commissioner for administration of water rights in District 5, Div. 1. The gage is located one-quarter mile downstream from gage on South Saint Vrain Creek off Highway 72. This station is operated as a partial year record station usually from May to October.

GAUGE.--A-71 continuous graphic chart recorder in a 42-inch corrugated shelter and concrete well with Data Collection Platform (DCP) as primary record. Primary reference is tape down from RP.

REMARKS.--Primary record is hourly satellite data. The record is complete and reliable, except for the following periods: October 28, 2005 to April 27, 2006 when the station was closed for the winter; August 10, 2006, at 1300 hrs when the DCP was taken off line to replace the battery. Chart and visit data were used for this period. The record is good. This is a partial year record station. Diversions continue through the winter and spring when this station is closed for the winter due to ice conditions and inaccessibility of this gage during the winter. Station maintained and record developed by Russell Stroud.

RATING TABLE.--LEFTHDC003 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

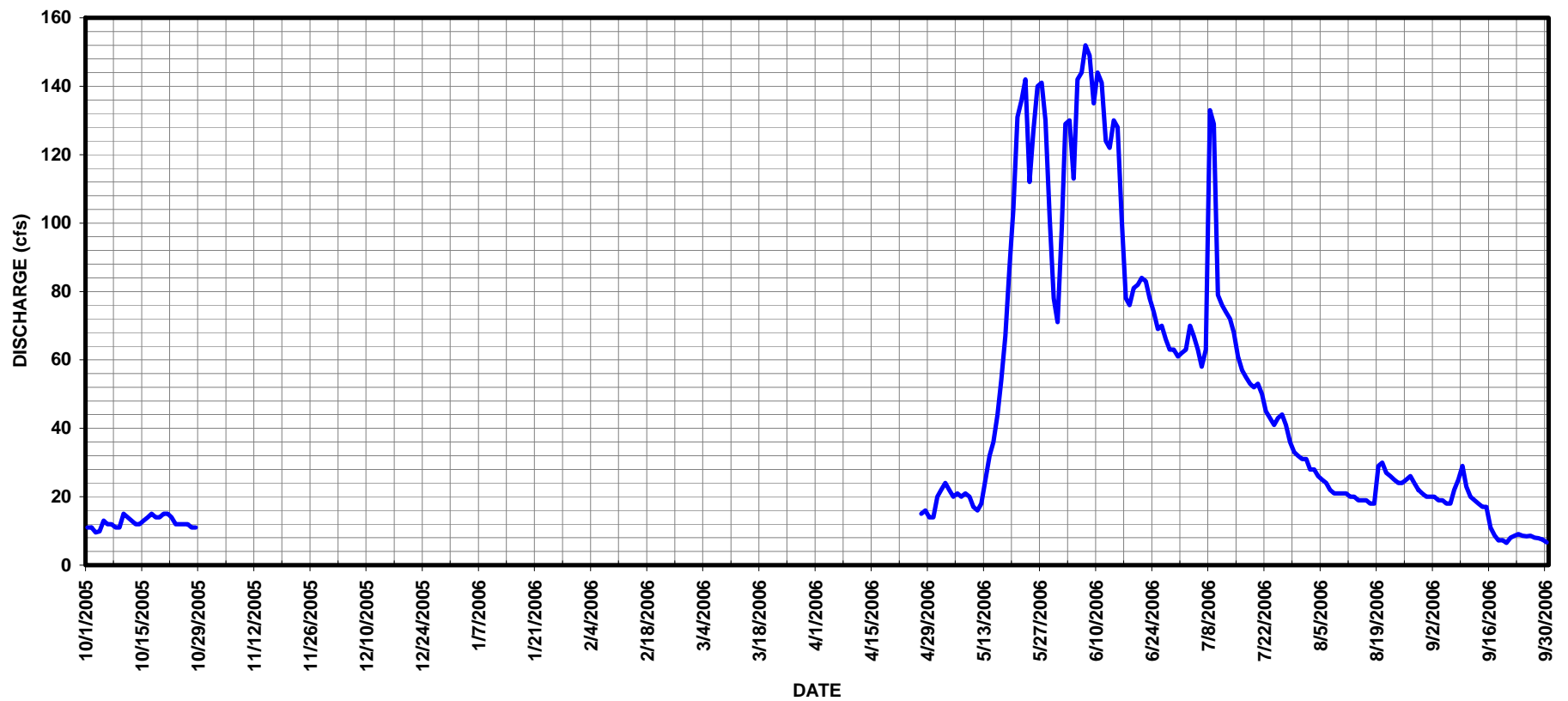
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	---	---	---	---	---	---	20	98	62	31	20
2	11	---	---	---	---	---	---	22	129	63	28	20
3	9.6	---	---	---	---	---	---	24	130	70	28	19
4	9.9	---	---	---	---	---	---	22	113	67	26	19
5	13	---	---	---	---	---	---	20	142	63	25	18
6	12	---	---	---	---	---	---	21	144	58	24	18
7	12	---	---	---	---	---	---	20	152	63	22	22
8	11	---	---	---	---	---	---	21	149	133	21	25
9	11	---	---	---	---	---	---	20	135	129	21	29
10	15	---	---	---	---	---	---	17	144	79	21	23
11	14	---	---	---	---	---	---	16	141	76	21	20
12	13	---	---	---	---	---	---	18	124	74	20	19
13	12	---	---	---	---	---	---	25	122	72	20	18
14	12	---	---	---	---	---	---	32	130	68	19	17
15	13	---	---	---	---	---	---	36	128	61	19	17
16	14	---	---	---	---	---	---	44	101	57	19	11
17	15	---	---	---	---	---	---	54	78	55	18	8.7
18	14	---	---	---	---	---	---	67	76	53	18	7.2
19	14	---	---	---	---	---	---	87	81	52	29	7.3
20	15	---	---	---	---	---	---	104	82	53	30	6.5
21	15	---	---	---	---	---	---	131	84	50	27	8.0
22	14	---	---	---	---	---	---	136	83	45	26	8.6
23	12	---	---	---	---	---	---	142	78	43	25	9.1
24	12	---	---	---	---	---	---	112	74	41	24	8.6
25	12	---	---	---	---	---	---	127	69	43	24	8.4
26	12	---	---	---	---	---	---	140	70	44	25	8.6
27	11	---	---	---	---	---	15	141	66	41	26	8.0
28	11	---	---	---	---	---	16	130	63	36	24	7.9
29	---	---	---	---	---	---	14	102	63	33	22	7.5
30	---	---	---	---	---	---	14	78	61	32	21	6.7
31	---	---	---	---	---	---	---	71	---	31	20	---
TOTAL	350.0	-	-	-	-	-	59	2000	3110	1847	724	426.0
MEAN	12.0	-	-	-	-	-	15.0	64.0	104	60.0	23.0	14.0
AC-FT	695	-	-	-	-	-	117	3970	6170	3660	1440	845
MAX	15	-	-	-	-	-	16	142	152	133	31	29
MIN	--	-	-	-	-	-	14	16	61	31	18	6.0

CAL YR	2005	TOTAL	7991	MEAN	-	MAX	165	MIN	-	AC-FT	15850 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	8516.6	MEAN	46.0	MAX	152	MIN	-	AC-FT	16890 (PARTIAL YEAR RECORD)

MAX DISCH: 238 CFS AT 09:45 ON Jul. 9, 2006 GH 2.39 FT. SHIFT 0.07 FT. INST. CORR. -0.01 FT.
MAX GH: 2.39 FT. AT 09:45 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06724000 ST. VRAIN CREEK AT LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'34", in NW¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County, Hydrologic Unit 10190005, on left bank 75 ft southwest of U.S. Highway 36 (State Highways 7 and 66) at southeast edge of Lyons, 400 ft upstream from St. Vrain Supply Canal, and 0.4 mi downstream from confluence of North and South St. Vrain Creeks.

DRAINAGE AREA AND PERIOD OF RECORD.--212 mi². Aug. 1887 to Sep. 1891, June 1895 to current year. Monthly only data for some periods. Water quality data available from Oct. 1977 to Feb. 1981. On March 23, 2003, the gage was moved approximately 0.2 mi upstream. In the new location, the gage is above the Supply Ditch diversion, whereas the old location was below this diversion.

GAGE.--Graphic water stage recorder and satellite monitoring DCP and shaft encoder in a wooden shelter with a stilling well. Primary reference is an electric drop tape down from an RP with the outside chain gage as backup. The DCP log is the primary record with the graphic chart as back-up.

REMARKS.--Primary record is hourly data taken from satellite monitoring with chart back up. The record is complete and reliable, except for the following periods: November 29 to December 4, 2005, when the stage-discharge relationship was affected by ice; December 5 to December 12, 2005, when the well was frozen; December 12, 2005 to March 14, 2006, when the station was closed for winter. Chart record was used for periods of DCP failure with no loss of accuracy on April 12, 2006; May 24, 25, 27-29, 2006; and June 1, 2, 8, 2006. The record is good, except for November 29, 2005 to December 4, 2005, stage-discharge relationship affected by ice, record is fair; and December 4, 2005 to March 14, 2006, station closed for winter, record is estimated and poor. Station maintained and record developed by Russell Stroud.

RATING TABLE.--SVCLYOCO24 USED FROM 01-OCT-2005 TO 30-SEP-2006

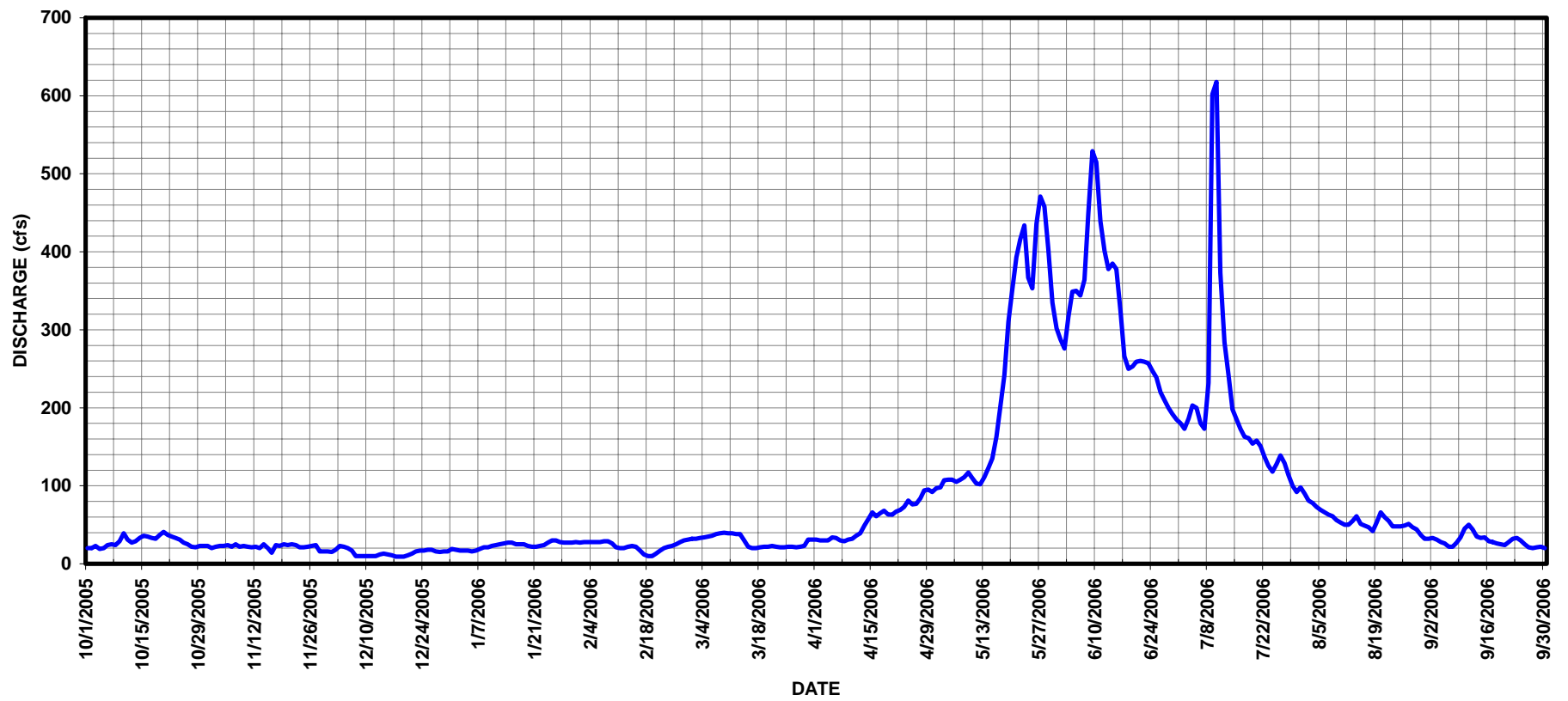
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	20	15	18	27	32	31	97	288	180	90	32
2	20	22	18	17	28	32	30	98	276	173	81	33
3	23	23	23	17	28	33	30	107	316	186	78	31
4	19	23	22	17	28	34	30	108	349	203	73	28
5	20	24	20	16	28	35	34	108	350	200	69	26
6	24	22	17	17	28	36	33	105	344	180	66	22
7	25	25	10	19	29	38	30	108	364	173	63	22
8	24	22	10	21	29	39	29	111	449	232	61	27
9	29	23	10	21	26	40	31	117	529	602	56	34
10	39	22	10	23	21	39	32	110	515	618	53	45
11	31	21	10	24	20	39	36	103	439	373	50	50
12	27	22	10	25	20	38	39	102	401	284	50	44
13	29	20	12	26	22	38	49	111	378	241	55	35
14	33	25	13	27	23	30	57	123	385	198	61	33
15	36	20	12	27	22	22	66	135	378	185	51	34
16	35	14	11	25	17	20	61	163	324	173	49	29
17	33	24	9.0	25	12	20	65	201	266	163	47	28
18	32	23	9.0	25	10	21	68	242	250	161	42	26
19	37	25	9.0	23	10	22	63	310	253	154	53	25
20	41	24	11	22	13	22	63	351	259	158	66	24
21	37	25	13	22	17	23	67	393	260	151	60	28
22	35	24	16	23	20	22	69	416	259	137	55	32
23	33	21	17	24	22	21	73	434	257	126	48	33
24	31	21	17	27	23	21	81	367	247	118	48	30
25	27	22	18	30	25	22	76	353	239	128	48	25
26	25	23	18	30	28	22	77	436	220	139	49	21
27	22	24	16	28	30	21	84	471	210	129	51	20
28	21	16	15	27	31	22	94	458	200	114	47	21
29	23	16	16	27	---	23	95	404	192	100	44	22
30	23	16	16	27	---	31	92	335	185	92	37	20
31	23	---	19	28	---	31	---	302	---	98	32	---
TOTAL	877	652	442.0	728	637	889	1685	7279	9382	6169	1733	880
MEAN	28.3	21.7	14.3	23.5	22.7	28.7	56.2	235	313	199	55.9	29.3
AC-FT	1740	1290	877	1440	1260	1760	3340	14440	18610	12240	3440	1750
MAX	41	25	23	30	31	40	95	471	529	618	90	50
MIN	19	14	9.0	16	10	20	29	97	185	92	32	20

CAL YR	2005	TOTAL	43821	MEAN	120	MAX	631	MIN	9	AC-FT	86920
WTR YR	2006	TOTAL	31353	MEAN	85.9	MAX	618	MIN	9	AC-FT	62190

MAX DISCH: 808 CFS AT 11:30 ON Jul. 9, 2006 GH 3.1 FT. SHIFT 0.13 FT.
MAX GH: 3.1 FT. AT 11:30 ON Jul. 9, 2006

06724000 ST. VRAIN CREEK AT LYONS CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06725500 MIDDLE BOULDER CREEK AT NEDERLAND, CO

LOCATION.--Lat 39°57'42", long 105°30'14", in NE¼SE¼ sec. 13, T.1 S., R.73 W., Boulder County, Hydrologic Unit 10190005, on left bank at Nederland just downstream from North Beaver Creek at inlet to Barker Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--36.2 mi²; June 1907 to present.

GAGE.--Water-stage recorder and data collection platform in wooden shelter with concrete well at a compound sharp-crested weir. DCP is the primary record with chart recorder as backup.

REMARKS.--Record is complete and reliable and good, except for the following periods, which are considered poor when the stage-discharge relation was affected by ice on the weir and inlets freezing: November 15-17, 28-30, 2005; December 1-31, 2005; January 1-31, 2006; February 1-28, 2006; March 1-31, 2006. Given the indeterminate ice conditions, the period above from November 15, 2005 to March 31, 2006 should be considered estimated and poor. Flows above 200 cfs are considered fair due to lack of definition of the stage shift relationships. The following days are considered fair: May 18-28, 2006, June 1-15, 2006, and July 8-10, 2006. In the summer, tree limbs caught on the weir occasionally affect gage heights. Any debris or ice on the control would normally be cleared weekly the City of Boulder operator, so any datum corrections for debris are only normally applied for short periods. Station maintained by City of Boulder and record developed by Steve Barrett.

RATING TABLE.--BOCMIDCO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

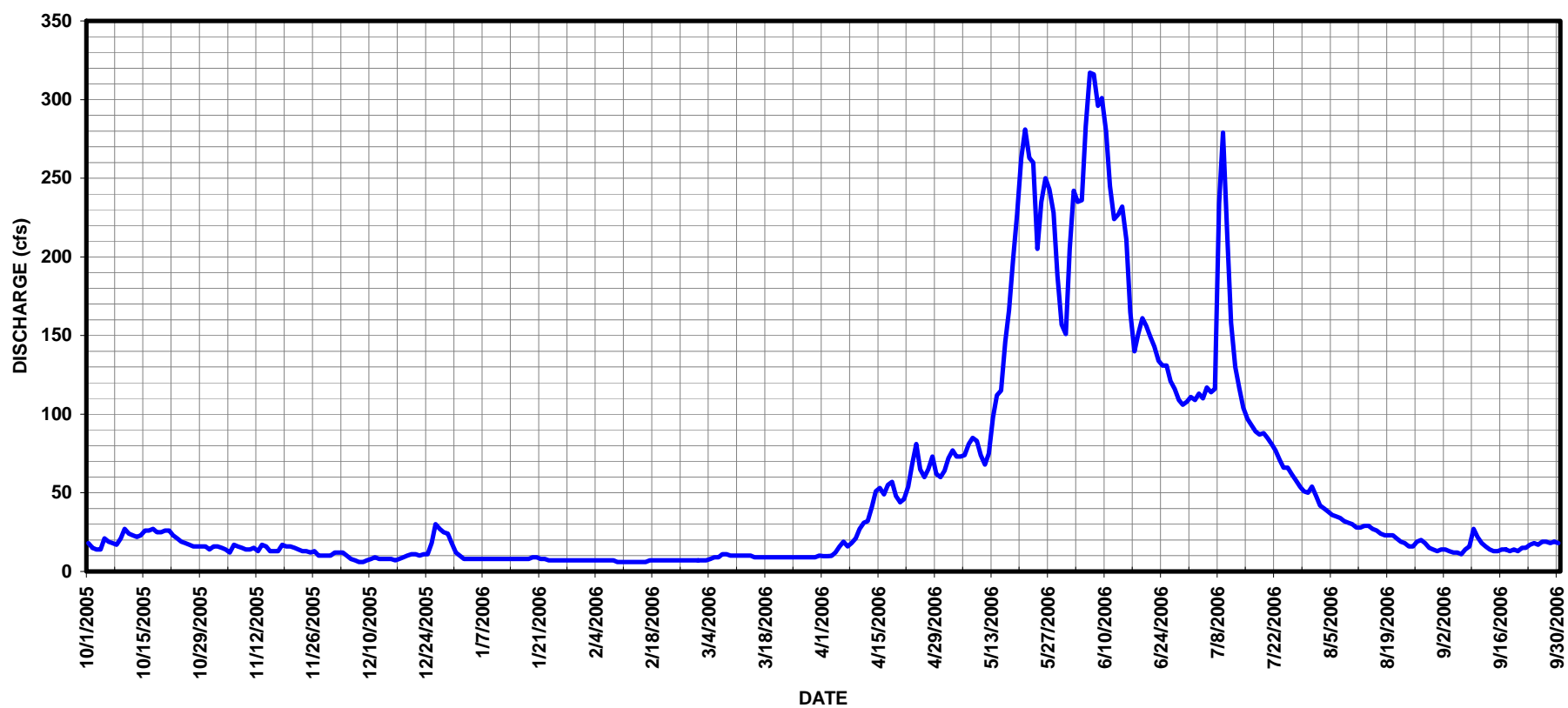
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	16	12	10	7.0	7.0	9.8	64	205	111	48	14
2	15	16	12	8.0	7.0	7.0	9.8	72	242	109	42	14
3	14	15	12	8.0	7.0	7.0	9.9	77	235	113	40	13
4	14	14	10	8.0	7.0	8.0	12	73	236	110	38	12
5	21	12	8.0	8.0	7.0	9.0	16	73	283	117	36	12
6	19	17	7.0	8.0	7.0	9.0	19	74	317	114	35	11
7	18	16	6.0	8.0	7.0	11	16	81	316	116	34	14
8	17	15	6.0	8.0	7.0	11	18	85	296	234	32	16
9	21	14	7.0	8.0	6.0	10	21	83	301	279	31	27
10	27	14	8.0	8.0	6.0	10	27	74	280	215	30	22
11	24	15	9.0	8.0	6.0	10	31	68	245	158	28	18
12	23	13	8.0	8.0	6.0	10	32	75	224	130	28	16
13	22	17	8.0	8.0	6.0	10	41	98	227	116	29	14
14	23	16	8.0	8.0	6.0	10	51	112	232	104	29	13
15	26	13	8.0	8.0	6.0	9.0	53	115	211	97	27	13
16	26	13	7.0	8.0	6.0	9.0	49	146	165	93	26	14
17	27	13	8.0	8.0	7.0	9.0	55	166	140	89	24	14
18	25	17	9.0	8.0	7.0	9.0	57	199	151	87	23	13
19	25	16	10	9.0	7.0	9.0	48	227	161	88	23	14
20	26	16	11	9.0	7.0	9.0	44	263	156	85	23	13
21	26	15	11	8.0	7.0	9.0	46	281	149	81	21	15
22	23	14	10	8.0	7.0	9.0	54	263	143	77	19	15
23	21	13	11	7.0	7.0	9.0	68	260	134	71	18	17
24	19	13	11	7.0	7.0	9.0	81	205	131	66	16	18
25	18	12	18	7.0	7.0	9.0	65	235	131	66	16	17
26	17	13	30	7.0	7.0	9.0	60	250	121	62	19	19
27	16	10	27	7.0	7.0	9.0	65	243	116	58	20	19
28	16	10	25	7.0	7.0	9.0	73	228	109	54	18	18
29	16	10	24	7.0	---	9.0	62	188	106	51	15	19
30	16	10	18	7.0	---	9.0	60	157	108	50	14	18
31	14	---	12	7.0	---	10	---	151	---	54	13	---
TOTAL	633	418	371.0	243.0	188.0	283.0	1253.5	4686	5871	3255	815	472
MEAN	20.4	13.9	12.0	7.84	6.71	9.13	41.8	151	196	105	26.3	15.7
AC-FT	1260	829	736	482	373	561	2490	9290	11650	6460	1620	936
MAX	27	17	30	10	7.0	11	81	281	317	279	48	27
MIN	14	10	6.0	7.0	6.0	7.0	9.8	64	106	50	13	11

CAL YR	2005	TOTAL	21196.3	MEAN	58.1	MAX	398	MIN	4	AC-FT	42040
WTR YR	2006	TOTAL	18488.5	MEAN	50.7	MAX	317	MIN	6	AC-FT	36670

MAX DISCH: 388 CFS AT 23:00 ON Jun. 6, 2006 GH 2.94 FT. SHIFT -0.06 FT.
MAX GH: 2.94 FT. AT 23:00 ON Jun. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06725500 MIDDLE BOULDER CREEK AT NEDERLAND CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06727000 BOULDER CREEK NEAR ORODELL, CO

LOCATION.--Lat 40°00'23", long 105°19'49", in NE¼SW¼ sec. 34, T.1 N., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank along State Highway 119, 0.7 mi southwest of old Orodell, 1.1 mi upstream from Fourmile Creek, and 2.9 mi southwest of courthouse in Boulder.

DRAINAGE AREA AND PERIOD OF RECORD.--102 mi²; Oct. 1906 to present.

GAGE.--Stevens A35 graphic water-stage recorder and Sutron 8210 DCP with shaft encoder in a 6 foot by 6 foot exposed aggregate concrete shelter with a 54-inch corrugated metal well. The primary reference is a tape down from RP. There is an outside staff gage across the stream that reads approximately 1 foot lower than gage datum. The data collection platform (DCP) provides the primary record. The station now includes a pressure transducer installed by Urban Drainage and Flood Control District.

REMARKS.--Primary record is taken from hourly satellite data, with graphic chart as backup. Record is complete and reliable, except for the winter ice record, December 6, 2005-March 27, 2006. (The station was turned off from December 19, 2005 through March 27, 2006.) Record is good, except for the period December 6, 2005-March 27, 2006 which is estimated and poor due to ice. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCOROCO14 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

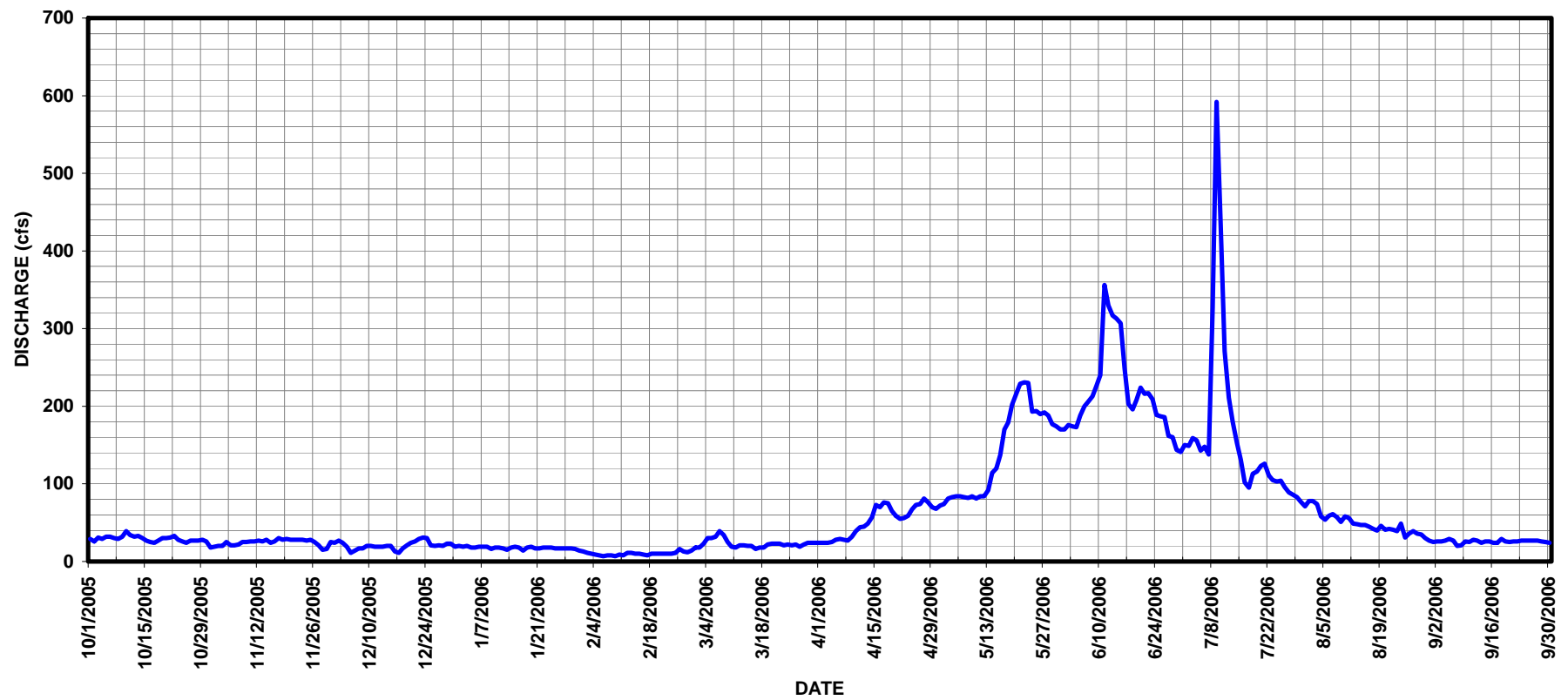
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	19	24	20	13	18	24	72	170	150	78	25
2	26	20	27	19	11	18	24	74	176	149	78	26
3	31	20	24	20	10	23	24	81	174	159	74	26
4	29	25	19	18	9.0	30	25	83	173	156	58	27
5	32	21	11	18	8.0	30	28	84	188	143	54	29
6	32	21	14	19	7.0	32	29	84	200	148	59	27
7	30	22	17	19	8.0	39	28	83	206	138	61	20
8	29	25	17	19	8.0	34	27	82	213	327	57	21
9	32	25	20	16	7.0	25	32	84	226	592	51	26
10	39	26	20	18	9.0	19	39	81	240	431	58	25
11	34	26	19	18	8.0	18	44	84	356	271	56	28
12	32	27	19	17	11	21	45	84	330	211	49	27
13	33	26	19	15	11	21	49	92	317	180	48	24
14	30	28	20	18	10	20	57	114	313	153	47	26
15	27	24	20	19	10	20	73	120	307	131	47	26
16	25	26	13	18	9.0	16	70	137	249	102	45	24
17	24	30	11	14	8.0	18	76	170	203	95	42	24
18	27	28	17	18	10	18	75	179	196	113	40	29
19	30	29	21	19	10	22	65	202	208	116	46	26
20	30	28	24	17	10	23	59	216	224	123	41	25
21	31	28	26	17	10	23	55	229	216	126	42	26
22	33	28	29	18	10	23	56	231	217	111	41	26
23	28	28	31	18	10	21	59	230	209	105	39	27
24	26	27	30	18	11	22	67	193	189	103	49	27
25	24	28	21	17	16	21	73	194	187	104	31	27
26	27	25	20	17	13	22	74	190	186	96	36	27
27	27	21	21	17	12	19	81	192	162	89	39	27
28	27	15	20	17	14	22	76	188	160	86	36	26
29	28	16	23	17	---	24	70	177	144	83	35	25
30	26	25	23	16	---	24	68	174	141	77	30	24
31	18	---	19	14	---	24	---	170	---	71	27	---
TOTAL	896	737	639	545	283.0	710	1572	4374	6480	4939	1494	773
MEAN	28.9	24.6	20.6	17.6	10.1	22.9	52.4	141	216	159	48.2	25.8
AC-FT	1780	1460	1270	1080	561	1410	3120	8680	12850	9800	2960	1530
MAX	39	30	31	20	16	39	81	231	356	592	78	29
MIN	18	15	11	14	7.0	16	24	72	141	71	27	20

CAL YR	2005	TOTAL	30057	MEAN	82.3	MAX	637	MIN	6	AC-FT	59620
WTR YR	2006	TOTAL	23442	MEAN	64.2	MAX	592	MIN	7	AC-FT	46500

MAX DISCH: 698 CFS AT 09:00 ON Jul. 9, 2006 GH 3.46 FT. SHIFT -0.04 FT.
MAX GH: 3.46 FT. AT 09:00 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06727000 BOULDER CREEK NEAR ORODELL CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

BOULDER CREEK AT BOULDER, CO

LOCATION.--Lat 40° 00' 53", long 105° 16' 49", in SW SW Sec. 30, T.1N., R.70W., Boulder County, on right bank in Central Park, 1 block West of the Broadway St. Bridge over Boulder Creek. Gage is located where the center line from 11th St crosses Boulder Creek.

DRAINAGE AREA AND PERIOD OF REOCD.--N/A; May 2004 to present.

GAGE.--Sutron 8210 Data collection platform (DCP) with Acububbler stage sensor in a 12"x30"x36" NEMA shelter. A staff in the stream bed is the primary reference. A single orifice line in 2" pipe extends from the shelter past the stream staff and into the stream at about a 45° angle to the flow. Orifice terminates in a gravel pack plastic muffler that is buried in the stream bed.

REMARKS.--Primary and only record is taken from hourly satellite data. Record is complete and reliable, except for December 15-26, 2005 (due to ice and multiple bad values transmitted from the DCP) and January 17-18, 2006 (when the DCP missed transmissions). Point interpolation was used to estimate record during these periods. Record is good, except for the period December 15 - December 26, 2005, which is estimated and poor due to ice and bad values from the DCP. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCOBOCO03 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

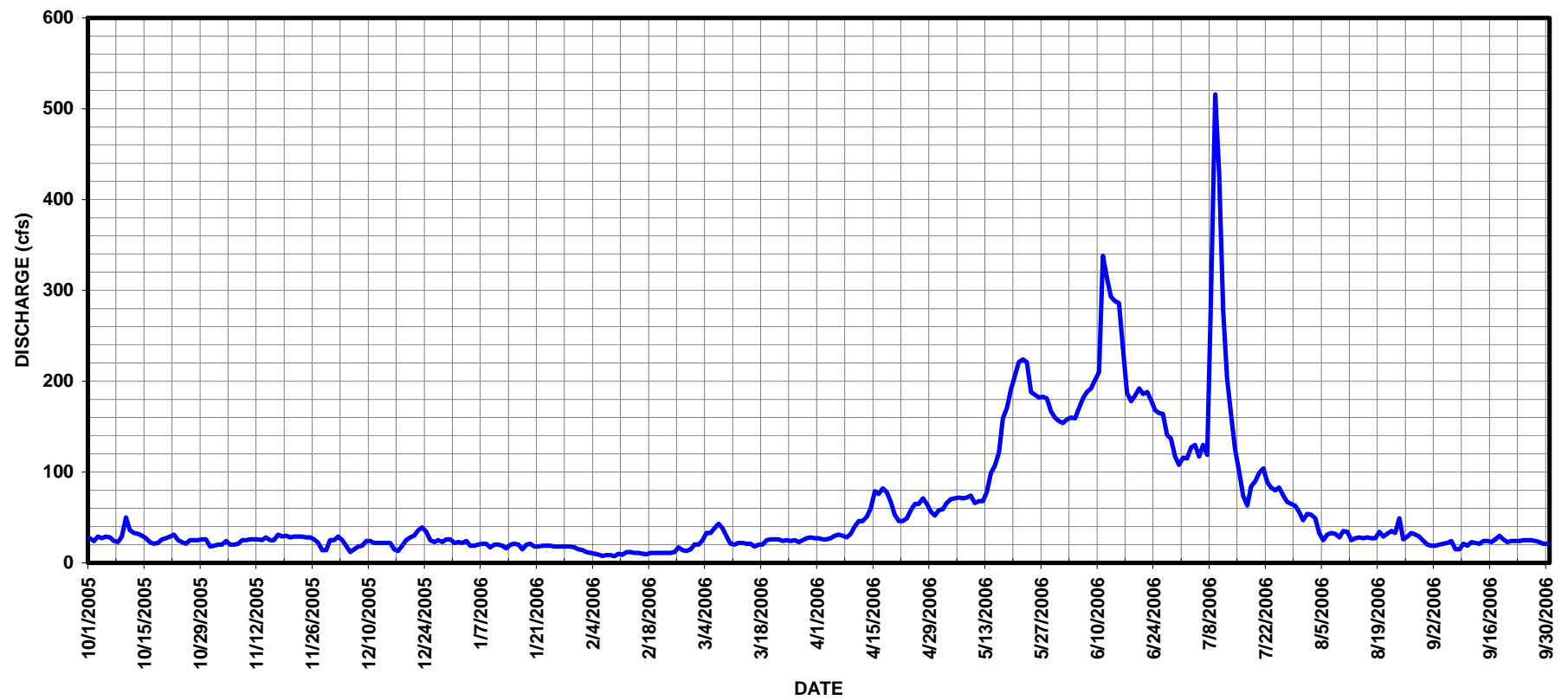
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	19	25	23	14	20	27	58	154	116	54	19
2	24	20	29	22	12	20	26	59	158	115	53	19
3	29	20	25	24	11	25	26	66	160	127	49	20
4	27	24	19	19	10	33	27	70	159	130	33	21
5	29	20	12	19	9.1	33	30	71	170	117	25	22
6	28	20	15	20	7.6	38	31	72	181	130	31	24
7	24	21	18	21	8.5	43	30	71	188	119	33	15
8	23	25	19	21	8.5	38	28	72	192	298	32	15
9	29	25	24	17	7.3	29	32	74	201	516	28	21
10	50	26	24	20	10	21	40	66	210	429	35	19
11	36	26	22	20	8.7	20	46	68	338	278	34	23
12	33	26	22	19	12	22	46	68	313	204	25	22
13	32	25	22	16	12	22	51	78	293	162	27	21
14	30	28	22	20	11	21	60	99	288	125	28	24
15	27	25	22	21	11	21	79	107	286	100	27	24
16	23	25	15	20	10	18	76	122	234	74	28	23
17	21	31	13	15	9.5	20	82	159	187	63	27	26
18	22	29	19	20	11	20	78	171	178	84	27	30
19	26	30	25	21	11	25	67	191	184	90	34	26
20	27	28	28	18	11	26	53	206	192	99	29	23
21	29	29	30	18	11	26	46	221	186	104	32	24
22	31	29	36	19	11	26	46	224	188	89	35	24
23	25	29	39	19	11	24	49	221	179	83	33	24
24	23	28	34	19	12	25	58	188	168	80	49	25
25	21	28	25	18	17	24	65	185	165	83	26	25
26	25	26	23	18	14	25	65	182	164	74	29	25
27	25	22	25	18	13	23	71	183	141	67	33	24
28	25	14	23	18	15	25	65	181	137	65	31	23
29	26	14	26	18	---	27	56	167	117	63	29	21
30	26	25	26	17	---	28	52	160	108	56	24	21
31	18	---	22	15	---	27	---	156	---	47	20	---
TOTAL	841	737	729	593	309.2	795	1508	4016	5819	4187	1000	673
MEAN	27.1	24.6	23.5	19.1	11.0	25.6	50.3	130	194	135	32.3	22.4
AC-FT	1670	1460	1450	1180	613	1580	2990	7970	11540	8300	1980	1330
MAX	50	31	39	24	17	43	82	224	338	516	54	30
MIN	18	14	12	15	7.3	18	26	58	108	47	20	15

CAL YR 2005 Not Published
WTR YR 2006 TOTAL 21207.2 MEAN 58.1 MAX 516 MIN 7.3 AC-FT 42060

MAX DISCH: 560 CFS AT 11:45 ON Jul. 9, 2006 GH 3.66 FT. SHIFT -0.05 FT.
MAX GH: 3.66 FT. AT 11:45 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BOULDER CREEK AT BOULDER CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK, CO

LOCATION.--Lat 39°56'19", long 105°20'55", SW¼ sec. 21, T.1 S., R.71 W., Boulder County. Measures releases from Gross Reservoir; which is filled by South Boulder Creek and transmountain diversions from Moffat Tunnel.

DRAINAGE AREA AND PERIOD OF RECORD.--92.8 sq. mi. East Slope drainage (Moffat Tunnel West Slope drainage not included); Oct. 1967 to present.

GAGE.--Graphic water stage recorder and satellite monitoring (Sutron Satlink) DCP with shaft encoder in concrete shelter and concrete well at 25' Parshall flume with supplemental outside staff. The primary reference is an electric tape gage. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--Primary record is hourly DCP data with chart back up. The record is complete and reliable. Chart record was used to fill in some hours of October 3-14, December 12-13, 2005, January 17-18, and April 2, 2006 when the DCP experienced transmission errors. Mean daily GH's were taken from the chart on October 6 and 11, 2005. There was a short period of ice-affect January 16-17, 20-21, & 23, 2006. Gage heights during this ice period were easily interpreted due to the constant release from the reservoir. Flow values during this ice period were assumed to be the same as before and after the ice period. The record is rated good, except for periods when the flow was below 15 cfs and ice-affect days which are considered fair. The following days are rated fair; October 11-18, December 12-31, and January 1-23 due to low flows or ice. Station maintained by Denver Water and record developed by Steve Barrett.

RATING TABLE.--STD25FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

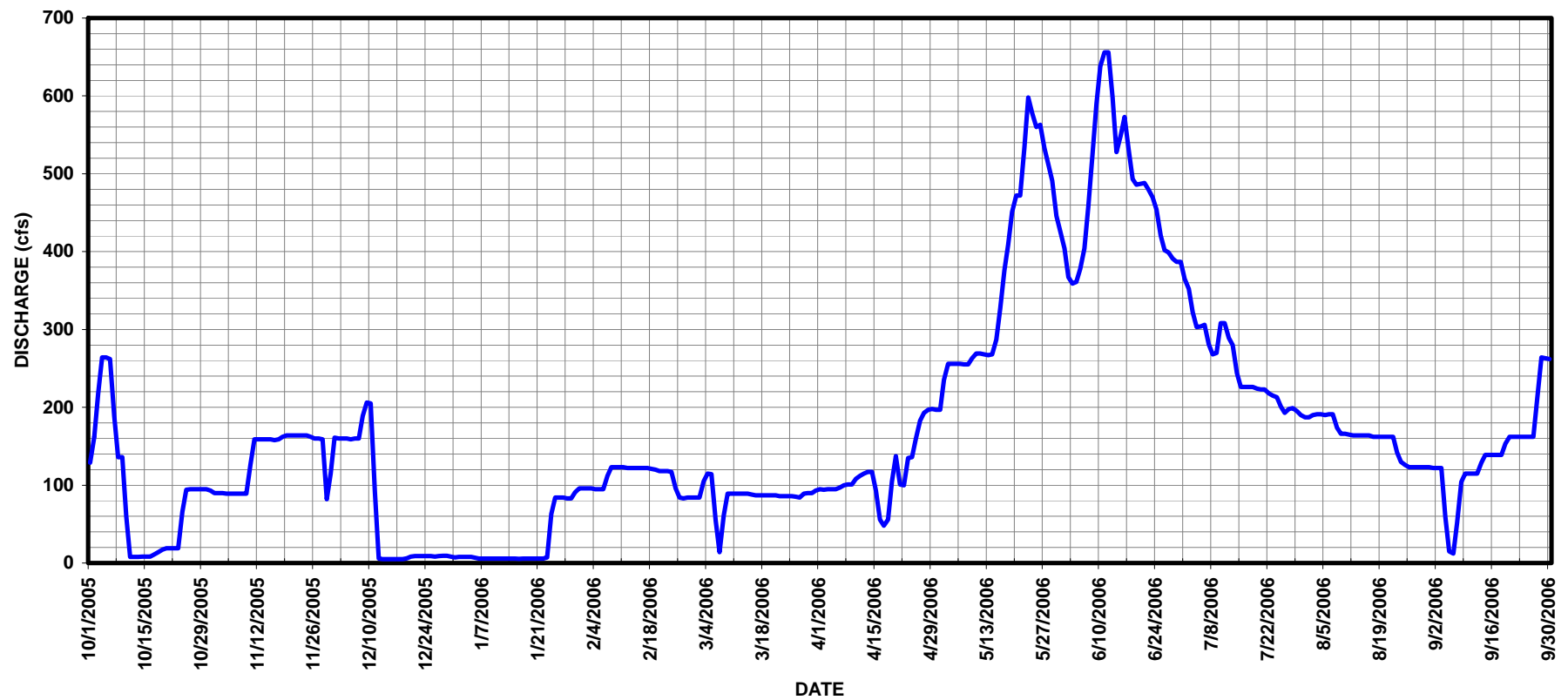
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	90	161	7.9	96	84	95	197	404	365	187	122
2	162	90	160	7.9	96	84	94	235	367	352	190	122
3	218	90	160	7.8	96	105	95	256	359	322	191	122
4	264	89	160	7.8	95	115	95	256	361	303	191	60
5	264	89	159	6.9	95	114	95	256	378	304	190	15
6	262	89	160	5.7	95	55	97	256	404	306	191	12
7	189	89	160	5.6	112	14	100	255	458	281	191	52
8	136	89	189	5.6	123	61	101	255	525	268	174	104
9	136	89	206	5.7	123	89	101	263	589	270	166	115
10	61	127	205	5.6	123	89	108	269	638	308	166	115
11	7.8	159	92	5.6	123	89	112	269	656	308	165	115
12	7.8	159	5.6	5.6	122	89	115	268	656	289	164	115
13	7.8	159	5.0	5.6	122	89	117	267	598	280	164	129
14	8.1	159	4.9	5.6	122	89	117	268	528	244	164	139
15	8.4	159	5.0	5.6	122	88	93	287	549	226	164	139
16	8.4	158	5.0	5.5	122	87	56	327	573	226	164	139
17	11	159	5.0	5.6	122	87	48	376	533	226	162	139
18	14	162	5.1	5.6	121	87	56	409	493	226	162	139
19	17	164	6.0	5.6	120	87	105	451	486	224	162	153
20	19	164	8.1	5.6	118	87	137	472	487	223	162	162
21	19	164	8.9	5.8	118	87	101	472	488	223	162	162
22	19	164	9.0	5.8	118	86	100	533	480	218	162	162
23	19	164	8.8	7.1	117	86	135	598	470	215	142	162
24	66	164	8.9	63	96	86	136	578	454	213	130	162
25	94	162	8.8	84	84	86	160	560	421	201	126	162
26	95	160	8.4	84	83	85	183	563	402	193	123	162
27	95	160	8.8	84	84	84	193	533	399	198	123	215
28	95	159	9.2	83	84	89	197	512	391	199	123	264
29	95	82	9.4	83	---	90	198	491	387	195	123	263
30	95	115	8.4	91	---	90	197	446	387	190	123	262
31	93	---	7.2	96	---	93	---	426	---	187	123	---
TOTAL	2715.3	4027	1957.5	809.1	3052	2651	3537	11604	14321	7783	4930	4184
MEAN	87.6	134	63.1	26.1	109	85.5	118	374	477	251	159	139
AC-FT	5390	7990	3880	1600	6050	5260	7020	23020	28410	15440	9780	8300
MAX	264	164	206	96	123	115	198	598	656	365	191	264
MIN	7.8	82	4.9	5.5	83	14	48	197	359	187	123	12

CAL YR	2005	TOTAL	54051.2	MEAN	148	MAX	535	MIN	4.9	AC-FT	107200
WTR YR	2006	TOTAL	61570.9	MEAN	169	MAX	656	MIN	4.9	AC-FT	122100

MAX DISCH: 661 CFS AT 11:00 ON Jun. 10, 2006 GH 3.37 FT. SHIFT 0 FT.
MAX GH: 3.37 FT. AT 11:00 ON Jun. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06729450 SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°56'00", long 105°18'10", SW¼ sec. 26, T.1 S., R.71 W., Boulder County. Diverts Denver Water Board rights released from Gross Reservoir to South Boulder Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; Oct. 1958 to present.

GAGE.--Graphic water-stage recorder, shaft encoder and satellite monitoring DCP at 12' Parshall flume in a timber shelter and concrete well with supplemental outside staff gage. Station is owned and maintained by Denver Water Board personnel.

REMARKS.--DCP data is primary record with chart as backup. DCP record is complete and reliable, except for a short period of ice affect Feb 17-21, 2006. The record is good, except for the period of ice affected record, which is fair. Station maintained by Denver Water and record developed by Steve Barrett.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

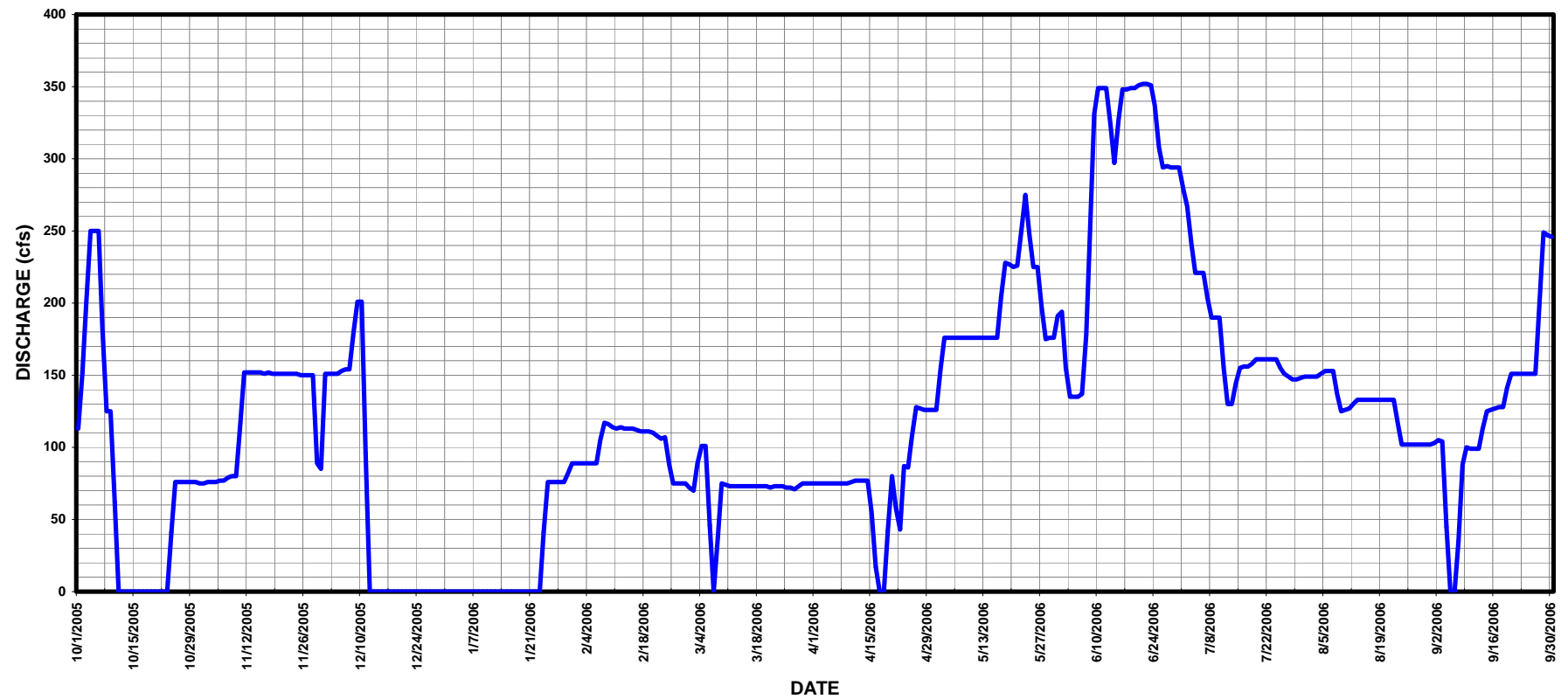
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	75	151	0	89	72	75	126	194	279	149	103
2	152	76	151	0	89	70	75	154	155	267	149	105
3	201	76	151	0	89	89	75	176	135	241	149	104
4	250	76	151	0	89	101	75	176	135	221	151	45
5	250	77	153	0	89	101	75	176	135	221	153	0
6	250	77	154	0	89	46	75	176	137	221	153	0
7	182	79	154	0	105	0	75	176	178	203	153	35
8	125	80	180	0	117	38	75	176	252	190	137	88
9	125	80	201	0	116	75	75	176	331	190	125	100
10	62	114	201	0	114	74	76	176	349	190	126	99
11	0	152	96	0	113	73	77	176	349	155	127	99
12	0	152	0	0	114	73	77	176	349	130	130	99
13	0	152	0	0	113	73	77	176	324	130	133	113
14	0	152	0	0	113	73	77	176	297	144	133	125
15	0	152	0	0	113	73	55	176	327	155	133	126
16	0	151	0	0	112	73	17	176	348	156	133	127
17	0	152	0	0	111	73	0	204	348	156	133	128
18	0	151	0	0	111	73	0	228	349	158	133	128
19	0	151	0	0	111	73	42	227	349	161	133	141
20	0	151	0	0	110	73	80	225	351	161	133	151
21	0	151	0	0	108	72	58	226	352	161	133	151
22	0	151	0	0	106	73	43	251	352	161	133	151
23	0	151	0	0	107	73	87	275	351	161	116	151
24	41	151	0	41	88	73	86	247	337	161	102	151
25	76	150	0	76	75	72	108	225	308	155	102	151
26	76	150	0	76	75	72	128	225	294	151	102	151
27	76	150	0	76	75	71	127	198	295	149	102	198
28	76	150	0	76	75	73	126	175	294	147	102	249
29	76	89	0	76	---	75	126	176	294	147	102	247
30	76	85	0	82	---	75	126	176	294	148	102	246
31	75	---	0	89	---	75	---	191	---	149	102	---
TOTAL	2282	3704	1743	592	2816	2200	2268	5993	8563	5419	3964	3762
MEAN	73.6	123	56.2	19.1	101	71.0	75.6	193	285	175	128	125
AC-FT	4530	7350	3460	1170	5590	4360	4500	11890	16980	10750	7860	7460
MAX	250	152	201	89	117	101	128	275	352	279	153	249
MIN	0	75	0	0	75	0	0	126	135	130	102	0
CAL YR	2005	TOTAL	34925.3	MEAN	95.7	MAX	330	MIN	0	AC-FT	69270	
WTR YR	2006	TOTAL	43306	MEAN	119	MAX	352	MIN	0	AC-FT	85900	

MAX DISCH: 353 CFS AT 10:30 ON Jun. 20, 2006 GH 3.54 FT. SHIFT 0 FT.
MAX GH: 3.54 FT. AT 10:15 ON Jun. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS CO
WY2006 HYDROGRAPH**



PLATTE RIVER BASIN

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS, CO

LOCATION.--Lat 39°55'52", long 105°17'43", in SE¼ sec. 26, T.1 S., R.71 W., Boulder County, Hydrologic Unit 10190005, on left bank 0.2 mi downstream from South Draw, 1.0 mi west of Eldorado Springs, 1.8 mi downstream from South Boulder diversion canal, 5.0 mi south of Boulder, and 6.7 mi downstream from Gross Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--109 mi²; Apr. 1888-Oct. 1892, May 1895-Sept. 1901, Aug. 1904 to present.

GAGE.--Graphic water stage recorder and Sutron High Data Rate (HDR) satellite monitoring DCP in metal box shelter and corrugated metal pipe well. Supplemental outside chain gage. The data collection platform (DCP) is the primary record having the graphic chart as a backup.

REMARKS.--Record is complete and reliable except for the following periods: December 5, 2005 to December 19, 2005, when gage heights were ice-affected; and, December 19, 2005 to March 15, 2006, when the station was closed for winter. The record is good, except for December 5, 2005 to March 15, 2006, which is estimated and fair. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BOCELSCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

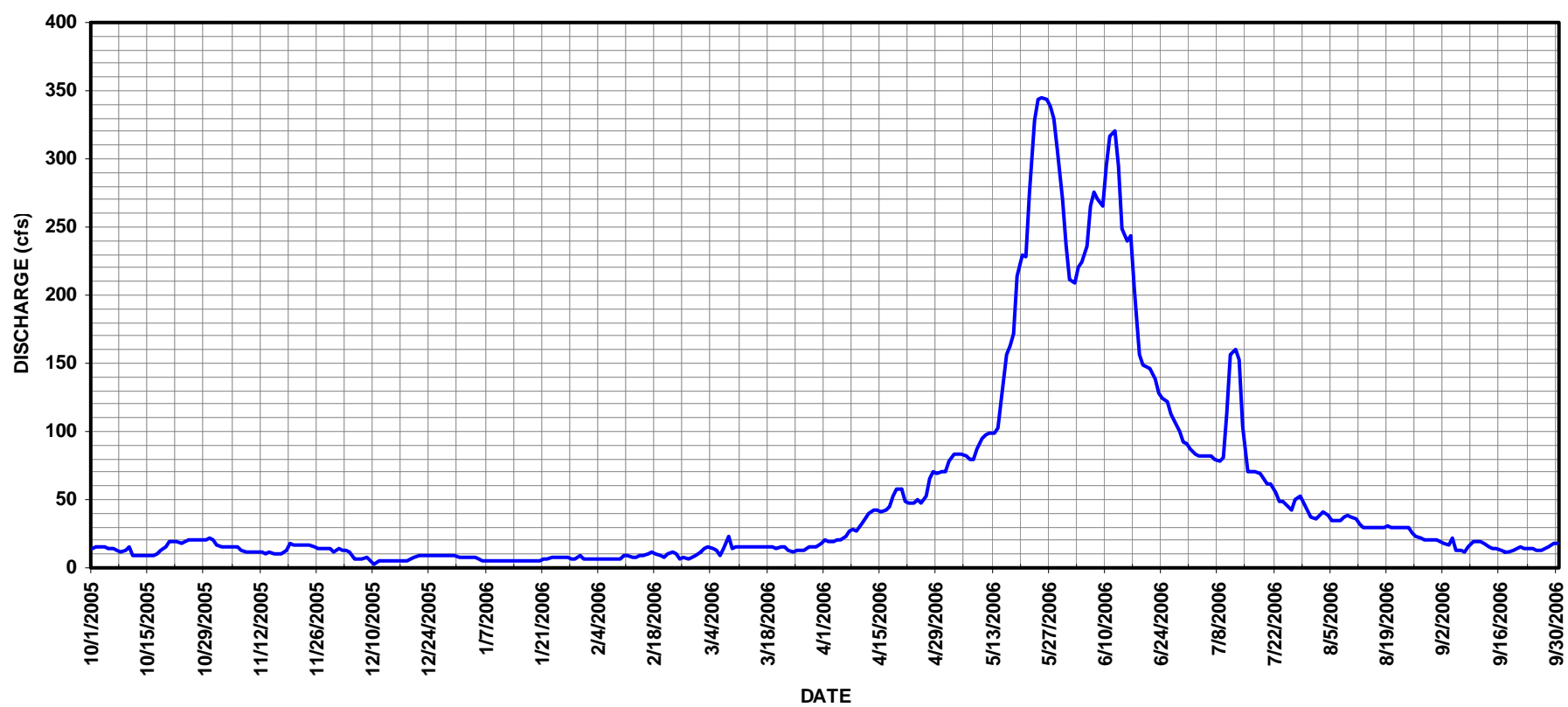
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	14	7.9	7.0	12	20	70	212	87	36	19
2	15	16	13	7.9	7.0	14	19	78	209	83	39	18
3	15	16	13	7.8	7.0	16	19	83	220	82	41	17
4	15	16	12	7.8	6.0	14	20	83	224	82	38	22
5	14	16	6.0	6.9	6.0	13	20	83	236	82	35	13
6	14	16	6.0	5.7	6.0	9.0	23	82	265	82	35	13
7	13	13	6.0	5.6	7.0	14	27	80	276	79	35	12
8	12	11	8.0	5.6	6.0	23	28	80	271	78	37	16
9	13	11	5.0	5.7	7.0	14	27	87	266	81	39	19
10	15	12	3.0	5.6	9.0	15	32	95	295	114	37	19
11	9.4	12	5.0	5.6	9.0	16	36	97	317	157	36	19
12	8.8	11	5.6	5.6	8.0	16	40	99	320	160	32	18
13	8.7	10	5.0	5.6	8.0	16	42	99	295	152	29	16
14	8.6	11	4.9	5.6	9.0	16	42	102	249	104	30	14
15	8.4	10	5.0	5.6	9.0	16	41	125	240	71	29	14
16	8.4	9.7	5.0	5.6	10	16	42	157	244	71	29	13
17	9.7	9.8	5.0	5.6	11	15	45	163	205	71	29	11
18	13	13	5.1	5.6	10	15	53	172	157	69	30	11
19	16	18	6.0	5.6	9.0	15	58	214	149	65	31	13
20	19	17	8.1	5.6	8.0	14	58	229	147	62	30	14
21	19	17	8.9	5.8	10	15	49	228	146	62	30	15
22	19	17	9.0	5.8	12	16	48	275	138	55	30	14
23	18	17	8.8	7.1	10	13	48	328	128	49	29	14
24	19	17	8.9	8.0	7.0	12	50	344	124	49	30	14
25	21	16	8.8	8.0	8.0	13	48	345	122	45	26	13
26	21	14	8.4	8.0	6.0	13	52	344	113	42	23	13
27	21	14	8.8	8.0	8.0	13	65	338	108	50	22	14
28	21	14	9.2	7.0	9.0	15	70	329	100	53	21	16
29	21	14	9.4	7.0	---	15	69	306	92	47	21	18
30	22	11	8.4	9.0	---	16	71	270	91	42	21	18
31	20	---	7.2	7.0	---	18	---	237	---	37	20	---
TOTAL	472.0	416.5	236.5	203.2	229.0	458.0	1262	5622	5959	2363	950	460
MEAN	15.2	13.9	7.63	6.55	8.18	14.8	42.1	181	199	76.2	30.6	15.3
AC-FT	936	826	469	403	454	908	2500	11150	11820	4690	1880	912
MAX	22	18	14	9.0	12	23	71	345	320	160	41	22
MIN	8.4	9.7	3.0	5.6	6.0	9.0	19	70	91	37	20	11
CAL YR	2005	TOTAL	18792	MEAN	51.5	MAX	350	MIN	3	AC-FT	37270	
WTR YR	2006	TOTAL	18631.2	MEAN	51	MAX	345	MIN	3	AC-FT	36950	

MAX DISCH: 370 CFS AT 11:20 ON May. 24, 2006 GH 3.02 FT. SHIFT -0.02 FT.
MAX GH: 3.02 FT. AT 11:20 ON May. 24, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06729500 SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06730300 COAL CREEK NEAR PLAINVIEW, CO

LOCATION.--Lat 39°52'40", long 105°16'36" (Eldorado Springs Quad. 1965, 1:24,000 scale) in SE1/4, NE1/4, Sec. 13, T. 2S, R. 71W, Jefferson County, on left bank 100 ft upstream from culvert on State Hwy 72, 1.2 miles south of Plainview, 5 miles downstream from Beaver Creek and 9 miles north of Golden, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--15.1 mi²; Aug. 1959 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring in a 42-inch diameter corrugated metal shelter. The primary reference is a drop tape with a supplemental outside staff gage.

REMARKS.--Hourly data from the DCP is the primary record, with the recorder as back up. DCP record is complete and reliable, except for the following days, which appeared to be ice affected and were estimated: December 4-5, 14-19, 2005; February 4-6, 10-22, Mar 20-22, 2006. Ice affect was possible at the gage from December 4, 2005 thru March 22, 2006. Ice affects included backwater from ice on the control and ice in the well interfering with the readings. Usable GH record is still possible with ice on the control. The record is considered good, except for the winter period December 4, 2005 thru March 22, 2006. These days are considered estimated and poor due to ice affect: December 6-7, 14-19, 2005; February 10-22, 2006. All other days between December 4, 2005 thru March 22, 2006 are considered fair due to possible ice-affect. Station maintained and record developed by Steve Barrett.

RATING TABLE.--COCREPCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.70	.39	.44	.34	.53	1.6	1.2	.29	0	.06	0
2	0	.66	.51	.40	.35	.46	1.5	1.1	.26	0	.05	0
3	0	.61	.51	.40	.40	.50	1.5	1.1	.23	0	.10	0
4	.03	.59	.40	.40	.40	.55	1.6	1.3	.21	.01	.05	0
5	.07	.62	.40	.37	.40	.53	1.8	1.4	.16	.01	.04	0
6	.07	.59	.31	.40	.33	.53	1.8	1.6	.13	.01	.05	0
7	.06	.55	.32	.41	.29	.50	1.8	1.3	.10	.02	.04	0
8	.03	.53	.37	.39	.28	.57	1.8	1.1	.09	.08	.03	0
9	.11	.52	.33	.38	.32	.54	2.0	1.0	.08	1.3	.01	0
10	.24	.45	.37	.46	.33	.55	2.0	1.2	.07	1.8	.01	.02
11	.99	.40	.40	.46	.33	.57	1.9	1.1	.05	1.4	.01	.01
12	2.2	.37	.44	.44	.33	.54	1.8	.96	.04	.95	0	.01
13	2.9	.33	.46	.39	.33	.53	1.9	.85	.03	.64	0	0
14	2.9	.37	.28	.40	.36	.60	1.9	.84	.01	.41	.03	0
15	2.4	.37	.33	.40	.42	.63	1.9	.85	.01	.33	.01	0
16	1.9	.39	.31	.46	.40	.86	1.7	.79	.03	.26	0	0
17	1.7	.52	.31	.47	.44	.62	1.6	.73	.01	.22	0	0
18	1.5	.58	.31	.36	.47	.65	1.6	.70	.01	.20	0	0
19	1.5	.76	.31	.37	.36	.77	1.4	.66	.01	.18	0	0
20	1.4	.81	.23	.40	.28	.62	1.4	.65	0	.19	0	0
21	1.3	.87	.29	.40	.29	.69	1.3	.59	.01	.23	0	0
22	1.2	.73	.39	.40	.23	.76	1.2	.59	.02	.22	0	0
23	1.1	.61	.43	.39	.21	.98	1.2	.74	.01	.20	0	.01
24	1.0	.56	.38	.33	.32	1.1	1.3	.57	0	.18	0	.01
25	.98	.54	.40	.34	.32	1.4	1.3	.45	.01	.15	0	.01
26	.95	.53	.40	.35	.37	1.4	1.3	.37	.01	.13	0	0
27	.91	.44	.42	.36	.42	1.2	1.3	.33	0	.10	0	0
28	.89	.30	.44	.38	.48	1.4	1.5	.29	0	.08	0	.01
29	.87	.37	.45	.33	---	1.6	1.5	.27	0	.07	0	.01
30	.83	.37	.41	.33	---	1.7	1.3	.28	0	.05	0	.02
31	.82	---	.44	.33	---	1.6	---	.30	---	.04	0	---
TOTAL	30.86	16.04	11.74	12.14	9.80	25.48	47.7	25.21	1.88	9.46	.49	.11
MEAN	1.00	.53	.38	.39	.35	.82	1.59	.81	.063	.31	.016	.004
AC-FT	61	32	23	24	19	51	95	50	3.7	19	1.0	.2
MAX	2.9	.87	.51	.47	.48	1.7	2.0	1.6	.29	1.8	.10	.02
MIN	0	.30	.23	.33	.21	.46	1.2	.27	0	0	0	0

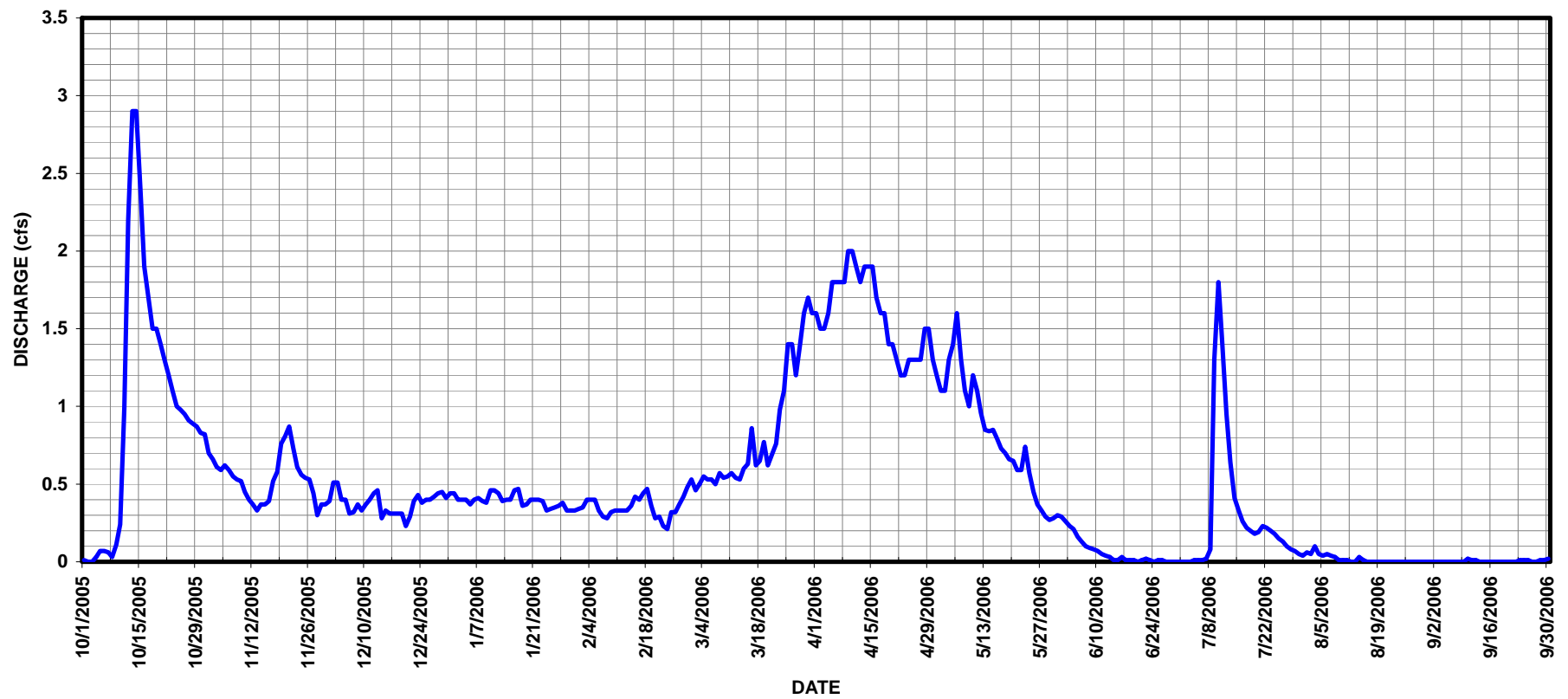
CAL YR	2005	TOTAL	1783.25	MEAN	4.89	MAX	54	MIN	0	AC-FT	3537
WTR YR	2006	TOTAL	190.91	MEAN	.52	MAX	2.9	MIN	0	AC-FT	379

MAX DISCH: 3.37 CFS AT 00:30 ON Oct. 14, 2005 GH 0.61 FT. SHIFT -0.01 FT.

MAX GH: 0.61 FT. AT 00:30 ON Oct. 14, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06730300 COAL CREEK NEAR PLAINVIEW CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06731000 ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE, CO

LOCATION.--Lat 40°15'29", long 104°52'45", in SE¼NW¼ sec. 3, T,3 N., R.67 W., Weld County, Hydrologic Unit 10190005, on right bank 140 ft downstream from bridge on county road, 1.3 mi upstream from mouth, and 4.2 mi northwest of Platteville.

DRAINAGE AREA AND PERIOD OF RECORD.--976 mi²; 1927 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP in a 54 inch metal pipe shelter and well. Data collection platform is the primary record with graphic chart as backup. In 2004, the stilling well inlet pipes were extended further out into the stream past the sand bar that formed between the county road bridge upstream and the gage.

REMARKS.--The primary record is hourly satellite data from the stilling well. All satellite data used agreed with the mean daily gage heights taken from the chart to within ±0.02 feet. Encoder calibration was supported by 30 visits to the gage. Only 1 instrumentation correction was required during the entire year. The record is complete and reliable, except for a period of ice affect Feb 18-22, 2006. The record is good, except for days affected by ice, February 18-22, 2006, which are estimated and considered poor. Station maintained Div 1 Hydrographic Staff and record developed by Patrick Tyler and Russell Stroud.

RATING TABLE.--SVCPLACO27 USED FROM 01-OCT-2005 TO 30-SEP-2006

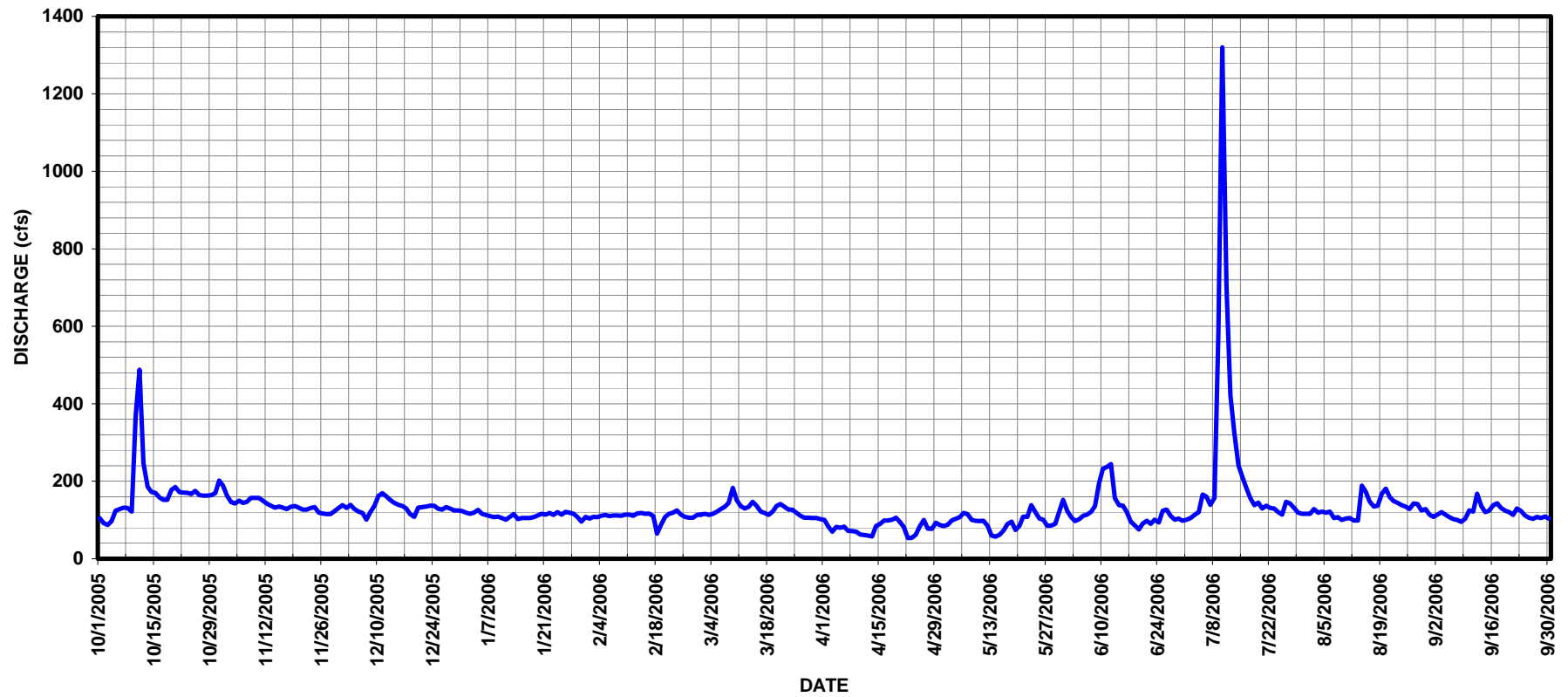
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	189	138	119	104	114	100	84	123	101	116	108
2	92	162	131	116	108	116	83	88	107	105	128	114
3	87	146	139	119	107	113	70	99	97	113	119	120
4	97	143	128	126	111	116	82	103	102	120	122	114
5	124	150	122	116	113	121	80	107	111	166	119	107
6	128	144	118	113	110	128	83	118	114	160	122	102
7	132	147	101	110	112	134	72	115	121	139	105	100
8	131	157	120	107	112	144	71	100	136	157	107	95
9	122	157	137	109	111	183	70	98	194	584	100	104
10	367	157	162	105	114	151	63	97	232	1320	104	125
11	488	150	169	101	114	136	61	98	237	703	105	122
12	247	142	161	108	111	130	60	85	244	422	99	168
13	186	137	151	115	117	134	58	60	156	326	99	136
14	172	132	144	102	118	147	84	57	138	241	189	120
15	170	135	139	105	116	137	90	62	137	211	173	124
16	158	132	136	105	117	122	99	73	120	183	148	138
17	152	128	130	105	110	118	99	89	96	157	135	143
18	152	134	115	107	65	113	101	96	86	138	137	131
19	178	136	108	112	87	122	106	74	76	145	167	124
20	185	132	132	116	108	136	95	85	91	130	181	120
21	172	127	133	114	116	141	82	109	98	137	159	113
22	171	127	135	118	119	134	53	108	90	131	149	130
23	170	131	137	113	125	127	54	138	101	130	144	123
24	167	133	137	120	114	127	62	121	94	120	138	112
25	175	119	129	114	108	119	84	104	124	114	135	106
26	164	117	127	121	106	111	100	101	127	147	128	103
27	163	115	133	119	106	106	78	85	111	143	143	108
28	163	115	130	116	113	106	77	86	101	131	141	105
29	164	123	125	107	---	105	93	90	104	119	125	109
30	169	131	125	96	---	105	87	121	98	116	128	104
31	202	---	123	108	---	102	---	152	---	116	114	---
TOTAL	5353	4148	4115	3462	3072	3898	2397	3003	3766	7025	4079	3528
MEAN	173	138	133	112	110	126	79.9	96.9	126	227	132	118
AC-FT	10620	8230	8160	6870	6090	7730	4750	5960	7470	13930	8090	7000
MAX	488	189	169	126	125	183	106	152	244	1320	189	168
MIN	87	115	101	96	65	102	53	57	76	101	99	95
CAL YR	2005	TOTAL	85702	MEAN	235	MAX	1390	MIN	84	AC-FT	170000	
WTR YR	2006	TOTAL	47846	MEAN	131	MAX	1320	MIN	53	AC-FT	94900	

MAX DISCH: 1480 CFS AT 05:15 ON Jul. 10, 2006 GH 6.15 FT. SHIFT -0.56 FT.
MAX GH: 6.15 FT. AT 05:15 ON Jul. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06731000 ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER ABOVE ADAMS TUNNEL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry in a wooden shelter with a concrete well and a 4' Parshall flume. The electric drop tape is the primary reference with an outside staff gage as backup. The DCP is the primary record with chart backup.

REMARKS.--The record is hourly satellite data with chart back up. This is a partial year record. Period of record for Water Year 2006 is October 1 to November 2, 2005 and April 7 to September 30, 2006. It is complete and reliable, except for November 3, 2005 thru April 6, 2006, when the gage was closed for the winter. Formerly called "Wind River Near Estes Park", this station is operated as part of the Colorado Big Thompson Project. The record is good, except for November 2, 2005 and April 7, 2006, which were estimated and are poor; and mean daily flows below 1.3 cfs, which are fair. Stream flows are affected by diversions above the station amounting to approximately 300 AF per water year. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--WINDESCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

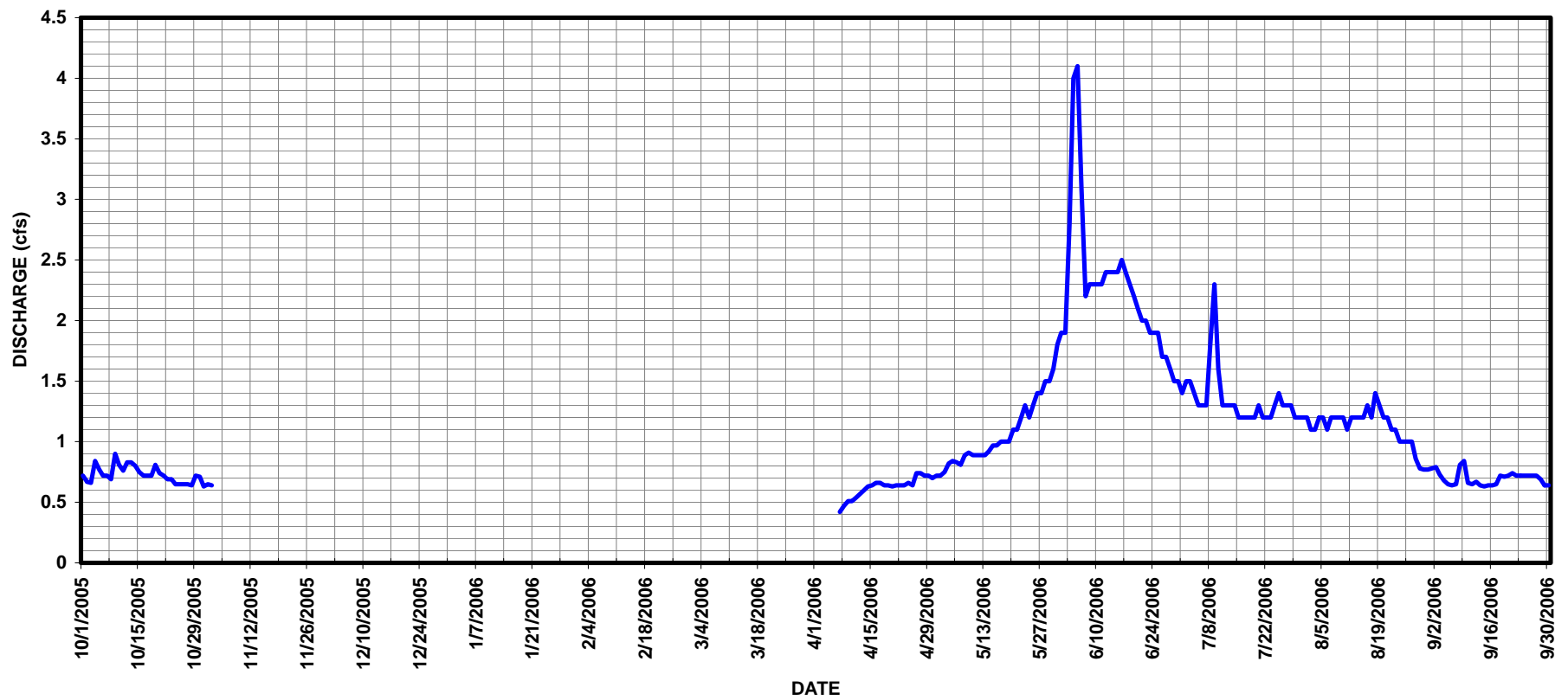
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.65	-	-	-	-	-	.72	1.9	1.4	1.2	.78
2	.67	.64	-	-	-	-	-	.72	1.9	1.5	1.1	.79
3	.66	-	-	-	-	-	-	.75	2.8	1.5	1.1	.77
4	.84	-	-	-	-	-	-	.82	4.0	1.4	1.2	.76
5	.77	-	-	-	-	-	-	.84	4.1	1.3	1.2	.73
6	.72	-	-	-	-	-	-	.83	3.1	1.3	1.1	.72
7	.72	-	-	-	-	-	.42	.81	2.2	1.3	1.2	.73
8	.69	-	-	-	-	-	.47	.89	2.3	1.8	1.2	.89
9	.90	-	-	-	-	-	.51	.91	2.3	2.3	1.2	.98
10	.81	-	-	-	-	-	.51	.89	2.3	1.6	1.2	.74
11	.76	-	-	-	-	-	.54	.89	2.3	1.3	1.1	.73
12	.83	-	-	-	-	-	.57	.89	2.4	1.3	1.2	.73
13	.83	-	-	-	-	-	.60	.89	2.4	1.3	1.2	.64
14	.80	-	-	-	-	-	.63	.92	2.4	1.3	1.2	.63
15	.75	-	-	-	-	-	.64	.97	2.4	1.2	1.2	.64
16	.72	-	-	-	-	-	.66	.97	2.5	1.2	1.3	.64
17	.72	-	-	-	-	-	.66	1.0	2.4	1.2	1.2	.65
18	.72	-	-	-	-	-	.64	1.0	2.3	1.2	1.4	.72
19	.81	-	-	-	-	-	.64	1.0	2.2	1.2	1.3	.71
20	.74	-	-	-	-	-	.63	1.1	2.1	1.3	1.2	.72
21	.72	-	-	-	-	-	.64	1.1	2.0	1.2	1.2	.74
22	.69	-	-	-	-	-	.64	1.2	2.0	1.2	1.1	.72
23	.69	-	-	-	-	-	.64	1.3	1.9	1.2	1.1	.72
24	.65	-	-	-	-	-	.66	1.2	1.9	1.3	1.0	.72
25	.65	-	-	-	-	-	.64	1.3	1.9	1.4	1.0	.72
26	.65	-	-	-	-	-	.74	1.4	1.7	1.3	1.0	.72
27	.65	-	-	-	-	-	.74	1.4	1.7	1.3	1.0	.72
28	.64	-	-	-	-	-	.72	1.5	1.6	1.3	.86	.69
29	.72	-	-	-	---	-	.72	1.5	1.5	1.2	.78	.64
30	.71	-	-	-	---	-	.70	1.6	1.5	1.2	.77	.64
31	.63	---	-	-	---	-	---	1.8	---	1.2	.77	---
TOTAL	22.58	1.29	-	-	-	-	14.96	33.11	68.0	41.7	34.58	20.93
MEAN	.73	.64	-	-	-	-	.62	1.07	2.27	1.35	1.12	.70
AC-FT	45	2.6	-	-	-	-	30	66	135	83	69	42
MAX	.90	.65	-	-	-	-	.74	1.8	4.1	2.3	1.4	.84
MIN	.63	-	-	-	-	-	-	.72	1.5	1.2	.77	.63
CAL YR	2005	TOTAL	762.05	MEAN	3.11	MAX	16.0	MIN	0.63	AC-FT	1510.6(PARTIAL YEAR RECORD)	
WTR YR	2006	TOTAL	237.95	MEAN	.65	MAX	4.1	MIN	0.42	AC-FT	473(PARTIAL YEAR RECORD)	

MAX DISCH: 5.03 CFS AT 08:30 ON Jun. 1, 2006 GH 0.48 FT. SHIFT 0 FT.
MAX GH: 0.48 FT. AT 08:30 ON Jun. 1, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WIND RIVER ABOVE ADAMS TUNNEL NEAR ESTES PARK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'38", long 105°34'53"

DRAINAGE AREA.--N/A

GAGE.--Incremental shaft encoder in a steel CMP shelter with a steel well, a drop tape, and a supplemental outside staff gage at a 3-foot Cipolletti weir. The Data Collection Platform in Adams Tunnel is used to collect the data as primary record only. The station is maintained by the U.S.B.R. to determine east slope flows into the Colorado Big Thompson Project system.

REMARKS.--The record is hourly satellite data. This is a partial year record. Period of record for Water Year 2006 is October 1 to November 2, 2005 and April 7 to September 30, 2006. Skimming operations on Wind River did not occur during the 2006 Water Year. Primary GH's were not used for discharges this year, because there was no skim. The flow at this site always equaled the flow at the Wind River above Adams Tunnel gage, which had good record all season. So daily discharges from the gage above were entered directly for this record. The peak discharge was calculated from Primary record as a check, and agreed in timing and magnitude with peak for the gage above. (5.06 cfs below and 5.03 cfs above). Partial year gage, formerly called "Wind River By-Pass". The record is good, except for November 2, 2005 and April 7, 2006, which were estimated and are poor. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--WINBYPC002 USED 01-JUN-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

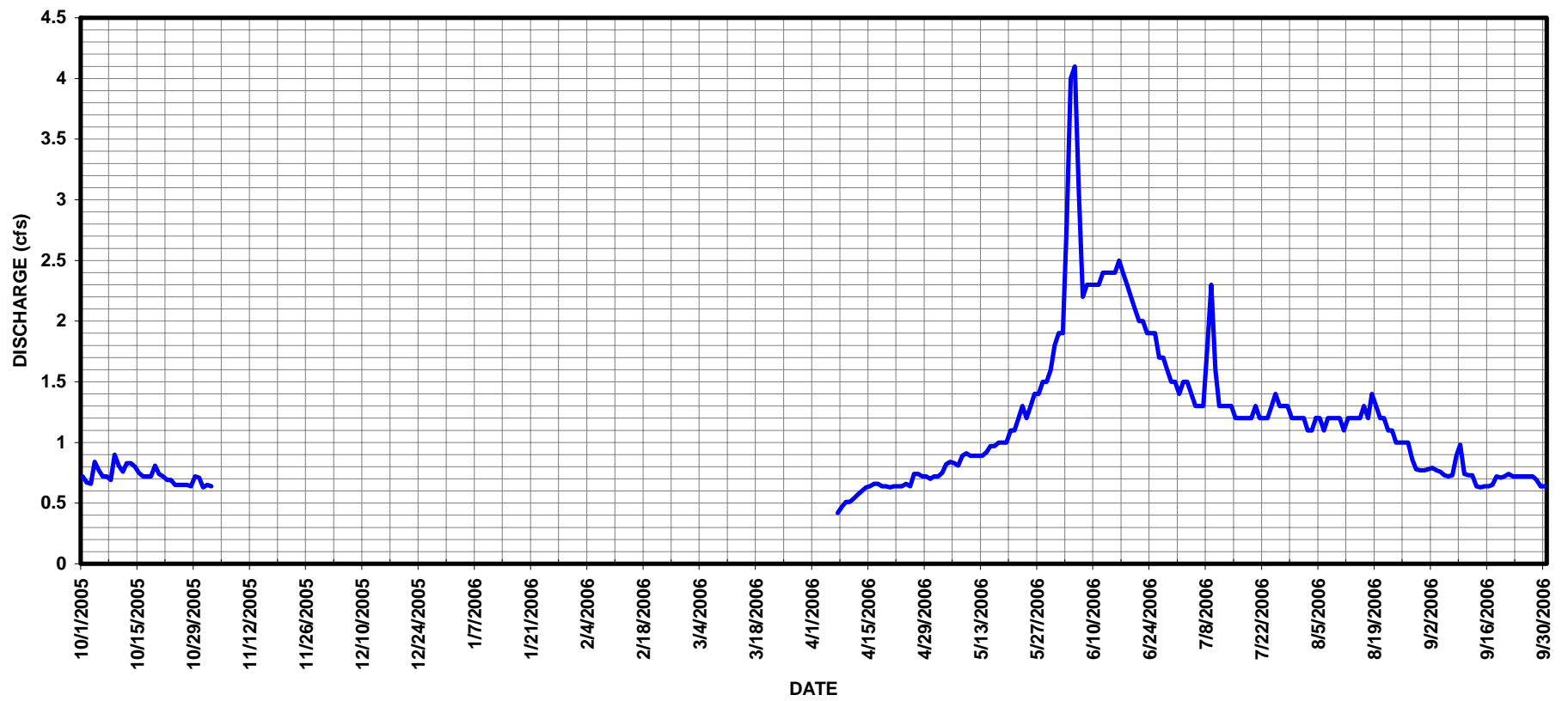
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.65	-	-	-	-	-	.72	1.9	1.4	1.2	.78
2	.67	.64	-	-	-	-	-	.72	1.9	1.5	1.1	.79
3	.66	-	-	-	-	-	-	.75	2.8	1.5	1.1	.77
4	.84	-	-	-	-	-	-	.82	4.0	1.4	1.2	.76
5	.77	-	-	-	-	-	-	.84	4.1	1.3	1.2	.73
6	.72	-	-	-	-	-	-	.83	3.1	1.3	1.1	.72
7	.72	-	-	-	-	-	.42	.81	2.2	1.3	1.2	.73
8	.69	-	-	-	-	-	.47	.89	2.3	1.8	1.2	.89
9	.90	-	-	-	-	-	.51	.91	2.3	2.3	1.2	.98
10	.81	-	-	-	-	-	.51	.89	2.3	1.6	1.2	.74
11	.76	-	-	-	-	-	.54	.89	2.3	1.3	1.1	.73
12	.83	-	-	-	-	-	.57	.89	2.4	1.3	1.2	.73
13	.83	-	-	-	-	-	.60	.89	2.4	1.3	1.2	.64
14	.80	-	-	-	-	-	.63	.92	2.4	1.3	1.2	.63
15	.75	-	-	-	-	-	.64	.97	2.4	1.2	1.2	.64
16	.72	-	-	-	-	-	.66	.97	2.5	1.2	1.3	.64
17	.72	-	-	-	-	-	.66	1.0	2.4	1.2	1.2	.65
18	.72	-	-	-	-	-	.64	1.0	2.3	1.2	1.4	.72
19	.81	-	-	-	-	-	.64	1.0	2.2	1.2	1.3	.71
20	.74	-	-	-	-	-	.63	1.1	2.1	1.3	1.2	.72
21	.72	-	-	-	-	-	.64	1.1	2.0	1.2	1.2	.74
22	.69	-	-	-	-	-	.64	1.2	2.0	1.2	1.1	.72
23	.69	-	-	-	-	-	.64	1.3	1.9	1.2	1.1	.72
24	.65	-	-	-	-	-	.66	1.2	1.9	1.3	1.0	.72
25	.65	-	-	-	-	-	.64	1.3	1.9	1.4	1.0	.72
26	.65	-	-	-	-	-	.74	1.4	1.7	1.3	1.0	.72
27	.65	-	-	-	-	-	.74	1.4	1.7	1.3	1.0	.72
28	.64	-	-	-	-	-	.72	1.5	1.6	1.3	.86	.69
29	.72	-	-	-	---	-	.72	1.5	1.5	1.2	.78	.64
30	.71	-	-	-	---	-	.70	1.6	1.5	1.2	.77	.64
31	.63	---	-	-	---	-	---	1.8	---	1.2	.77	---
TOTAL	22.58	1.29	-	-	-	-	14.96	33.11	68.0	41.7	34.58	20.93
MEAN	.73	.64	-	-	-	-	.62	1.07	2.27	1.35	1.12	.70
AC-FT	45	2.6	-	-	-	-	30	66	135	83	69	42
MAX	.90	.65	-	-	-	-	.74	1.8	4.1	2.3	1.4	.84
MIN	.63	-	-	-	-	-	-	.72	1.5	1.2	.77	.63
CAL YR	2005	TOTAL	370.95	MEAN	1.52	MAX	7.40	MIN	0.63	AC-FT	735.5(PARTIAL YEAR RECORD)	
WTR YR	2006	TOTAL	237.95	MEAN	.65	MAX	4.1	MIN	0.42	AC-FT	473(PARTIAL YEAR RECORD)	

MAX DISCH: 5.06 CFS AT 08:30 ON Jun. 1, 2006 GH 0.63 FT. SHIFT 0 FT.

MAX GH: 0.63 FT. AT 08:30 ON Jun. 1, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WIND RIVER BELOW ADAMS TUNNEL NEAR ESTES PARK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06733000 BIG THOMPSON RIVER (above Lake Estes) AT ESTES PARK, CO

LOCATION.--Lat 40°22'42", long 105°30'48", in NW¼NW¼ sec. 30, T.5 N., R.72 W., Larimer County on right bank in Estes Park, 600 ft downstream from bridge on State Highways 7 and 66, 900 ft downstream from Black Canyon Creek, and 0.3 mi northwest of Estes Power Plant. Station is upstream from Lake Estes.

DRAINAGE AREA AND PERIOD OF RECORD.--137 mi². October 1946 to current year.

GAGE.--Water-stage recorder with satellite telemetry, at 15' Parshall flume with overflow weirs and supplemental outside gage. DCP is the primary record. Datum of gage is 7,492.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Primary record is hourly data taken from satellite monitoring with chart as backup. Record is complete and reliable except for the following periods: November 27, 2005 to November 30, 2005 when the gage was ice affected, stage discharge relationship was affected and gage-height data is unreliable; and November 30, 2005 to April 3, 2006, when the station was closed for winter. The data can be regarded as very reliable, as the gage is visited frequently and even 0.01 adjustments to the stage encoder are rare. Record is good, except for November 27, 2005 to April 3, 2006, which was estimated for winter record and is considered poor. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTABESCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

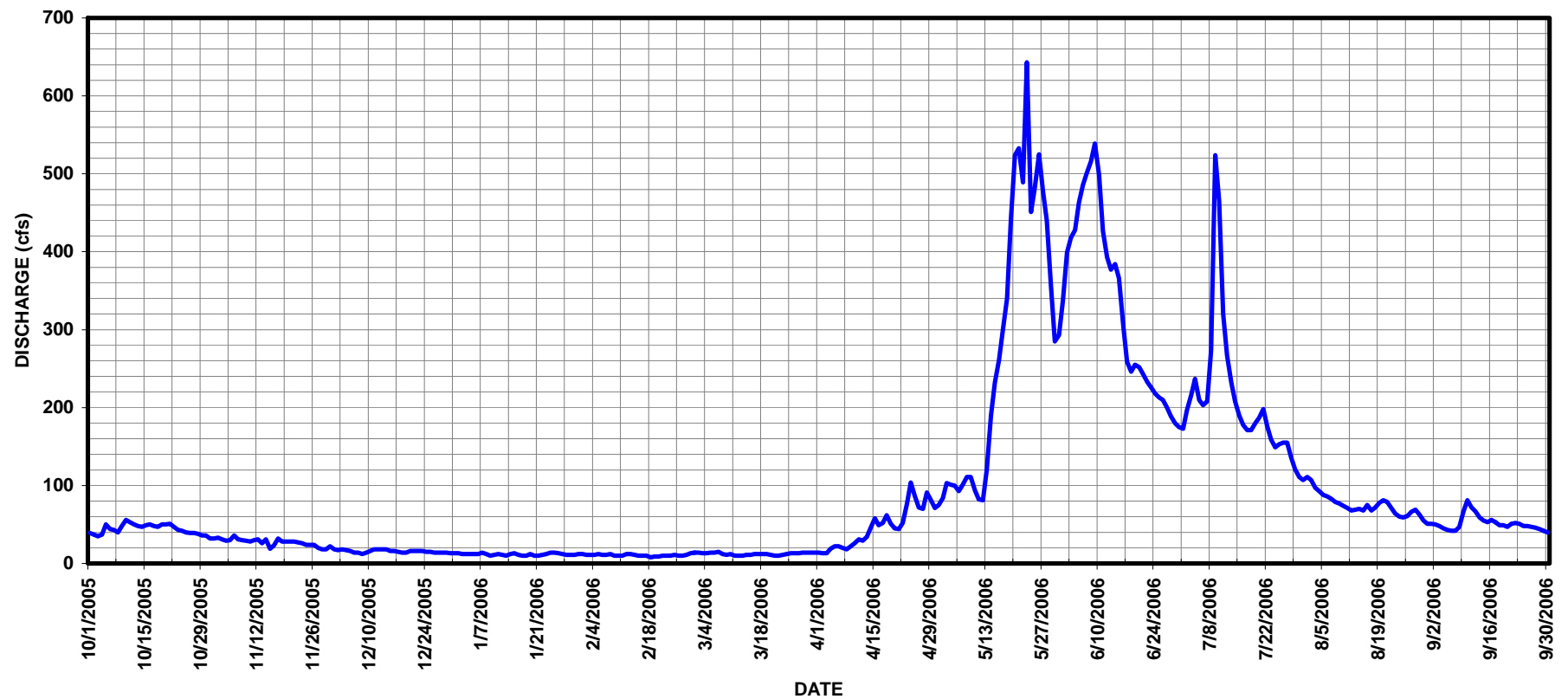
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	32	18	13	12	14	14	75	337	173	111	51
2	37	33	17	12	11	14	13	84	399	197	107	50
3	35	31	18	12	11	13	13	103	418	216	97	48
4	37	29	17	12	11	13	19	101	428	237	93	45
5	50	30	16	12	12	14	22	100	463	210	88	43
6	44	36	14	12	11	14	22	93	486	203	86	42
7	43	31	14	14	11	15	20	101	501	208	83	42
8	40	30	12	12	12	12	18	111	516	274	79	47
9	48	29	14	10	10	11	22	111	539	524	77	67
10	56	28	16	11	10	12	26	94	499	465	74	81
11	53	30	18	12	10	10	31	82	427	320	71	72
12	50	31	18	11	12	10	29	81	393	267	68	67
13	48	26	18	10	12	10	34	121	377	233	69	59
14	47	31	18	12	11	11	46	190	384	208	70	55
15	49	19	16	13	10	11	58	232	366	190	68	53
16	50	23	16	11	10	12	49	261	307	178	75	56
17	48	32	15	10	10	12	52	300	259	171	68	53
18	47	28	14	10	8.0	12	62	340	246	171	72	49
19	50	28	14	12	9.0	12	51	442	255	180	78	49
20	50	28	16	10	9.0	11	45	524	252	187	81	47
21	51	28	16	10	10	10	44	533	243	198	79	51
22	47	27	16	11	10	10	52	489	233	176	71	52
23	43	26	16	12	10	11	76	643	226	159	64	51
24	42	24	15	14	11	12	104	451	218	149	60	48
25	40	24	15	14	10	13	86	483	213	153	59	48
26	39	24	14	13	10	13	72	525	210	155	61	47
27	39	20	14	12	11	13	70	478	200	155	66	46
28	38	18	14	11	13	14	91	440	189	136	69	44
29	36	18	14	11	---	14	81	356	180	121	63	42
30	36	22	13	11	---	14	71	285	175	111	55	40
31	32	---	13	12	---	14	---	293	---	107	51	---
TOTAL	1364	816	479	362	297.0	381	1393	8522	9939	6432	2313	1545
MEAN	44.0	27.2	15.5	11.7	10.6	12.3	46.4	275	331	207	74.6	51.5
AC-FT	2710	1620	950	718	589	756	2760	16900	19710	12760	4590	3060
MAX	56	36	18	14	13	15	104	643	539	524	111	81
MIN	32	18	12	10	8.0	10	13	75	175	107	51	40

CAL YR	2005	TOTAL	47470	MEAN	130	MAX	817	MIN	12	AC-FT	94160
WTR YR	2006	TOTAL	33843	MEAN	92.7	MAX	643	MIN	8	AC-FT	67130

MAX DISCH: 784 CFS AT 06:15 ON May. 23, 2006 GH 4.97 FT. SHIFT 0.11 FT.
MAX GH: 4.97 FT. AT 06:15 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06733000 BIG THOMPSON RIVER (above Lake Estes) AT ESTES PARK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06734500 FISH CREEK NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'06", long 105°29'35", SW¼ sec. 29, T.5 N., R.72 W.

DRAINAGE AREA AND PERIOD OF RECORD.--16.9 mi²; 1946 to present.

GAGE.--Graphic water-stage recorder and satellite monitoring in a concrete well and shelter at a 5' Parshall flume. The electric drop tape is the primary reference. There is a supplemental outside staff gage.

REMARKS.--The primary record is hourly data from satellite monitoring with chart back up. The record is complete and reliable except for the following periods: October 30-November 2, 2005, due to ice affected gage heights; and November 3, 2005 to April 6, 2006, when the station was closed for the winter. This is a partial year record. The record is fair, except for average daily flows that exceed 1.6 cfs on: July 9 -12, 2006 and August 21, 2006 which are considered good. The record is ice affected and poor on October 30 through November 2, 2005. There is no record for November 3, 2005 through April 6 2006, when the station was closed for the winter. Station maintained and record developed by Russell Stroud.

RATING TABLE.--FISHESCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	.63	-	-	-	-	-	.86	.42	.40	.72	.52
2	.46	.74	-	-	-	-	-	.80	.38	.41	.70	.50
3	.50	.78	-	-	-	-	-	.83	.33	.54	.69	.50
4	.66	-	-	-	-	-	-	1.2	.32	.63	.70	.49
5	.79	-	-	-	-	-	-	1.2	.30	.45	.69	.49
6	.77	-	-	-	-	-	.88	1.2	.27	.49	.66	.48
7	.71	-	-	-	-	-	.88	.98	.27	.43	.64	.49
8	.57	-	-	-	-	-	.88	.91	.29	1.1	.60	.49
9	.80	-	-	-	-	-	.78	.95	.25	2.2	.57	.64
10	1.2	-	-	-	-	-	.80	.84	.25	2.4	.56	.84
11	1.1	-	-	-	-	-	.90	.78	.24	2.0	.55	.80
12	1.2	-	-	-	-	-	.88	.78	.24	1.7	.55	.76
13	.97	-	-	-	-	-	.93	.75	.22	1.5	.51	.67
14	.84	-	-	-	-	-	1.0	.70	.20	1.3	.60	.59
15	.78	-	-	-	-	-	.97	.70	.21	1.2	.54	.59
16	.72	-	-	-	-	-	.98	.69	.32	1.1	.55	.62
17	.70	-	-	-	-	-	1.1	.67	.25	1.1	.50	.60
18	.76	-	-	-	-	-	.89	.71	.23	.99	.69	.57
19	.88	-	-	-	-	-	.78	.69	.24	1.0	.63	.53
20	.88	-	-	-	-	-	.79	.61	.24	1.2	.60	.52
21	.87	-	-	-	-	-	.78	.60	.25	1.2	1.9	.54
22	.79	-	-	-	-	-	.78	.62	.28	.97	.96	.52
23	.69	-	-	-	-	-	.77	.74	.27	.88	.73	.50
24	.69	-	-	-	-	-	.93	.61	.26	.89	.69	.47
25	.69	-	-	-	-	-	.98	.51	.29	1.0	.62	.47
26	.71	-	-	-	-	-	.98	.51	.27	1.4	.70	.45
27	.79	-	-	-	-	-	.89	.46	.28	1.1	.69	.44
28	.74	-	-	-	-	-	.83	.44	.29	.88	.70	.44
29	.69	-	-	-	---	-	.86	.44	.31	.80	.63	.44
30	.69	-	-	-	---	-	.79	.41	.31	.78	.56	.45
31	.69	---	-	-	---	-	---	.43	---	.75	.53	---
TOTAL	23.85	2.15	-	-	-	-	22.03	22.62	8.28	32.79	20.96	16.41
MEAN	.77	.072	-	-	-	-	.73	.73	.28	1.06	.68	.55
AC-FT	47	4.3	-	-	-	-	44	45	16	65	42	33
MAX	1.2	.78	-	-	-	-	1.1	1.2	.42	2.4	1.9	.84
MIN	.46	-	-	-	-	-	-	.41	.20	.40	.50	.44

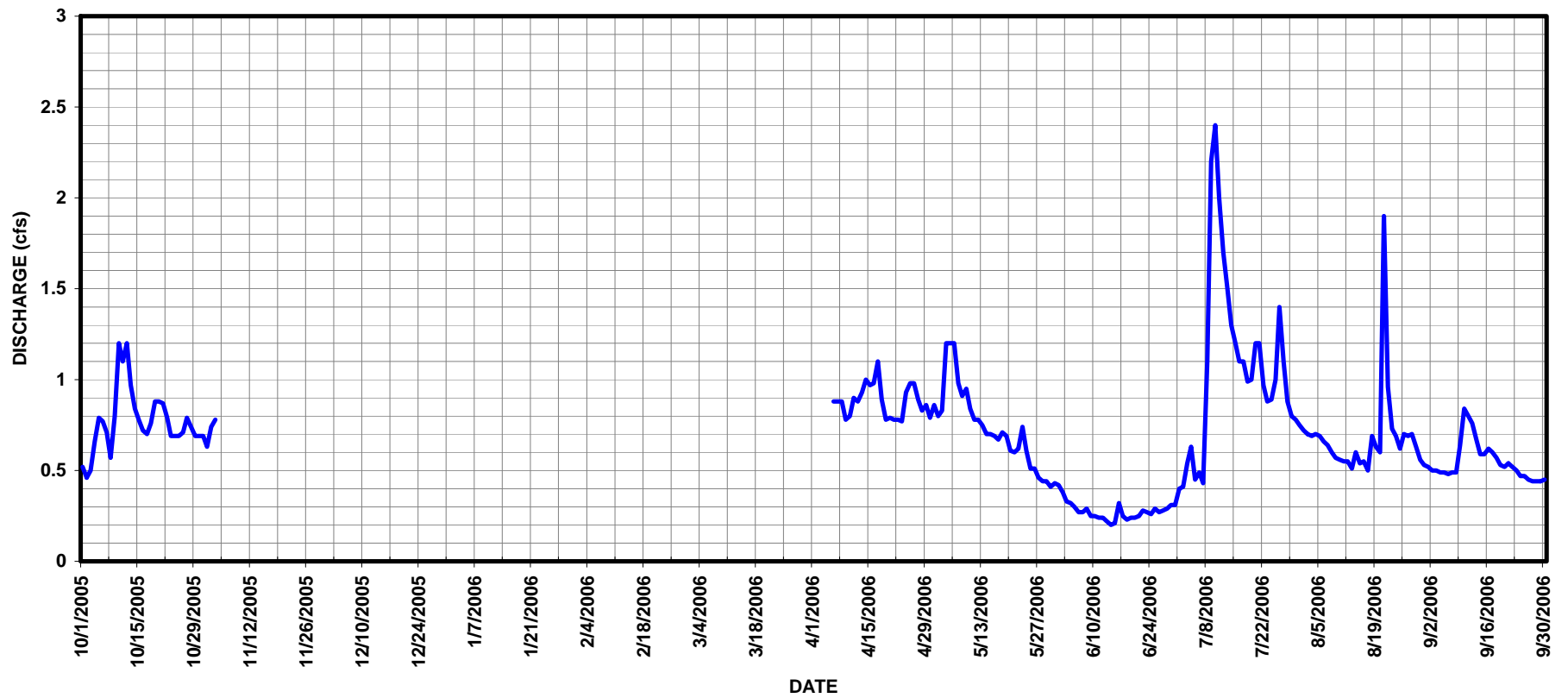
CAL YR	2005	TOTAL	632.07	MEAN	1.73	MAX	12.0	MIN	-	AC-FT	1220 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	149.09	MEAN	0.41	MAX	2.4	MIN	-	AC-FT	296 (PARTIAL YEAR RECORD)

MAX DISCH: 16.3 CFS AT 15:00 ON Aug. 21, 2006 GH 0.88 FT. SHIFT 0 FT.

MAX GH: 0.88 FT. AT 15:00 ON Aug. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06734500 FISH CREEK NEAR ESTES PARK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06735500 BIG THOMPSON RIVER (below Lake Estes) NEAR ESTES PARK, CO

LOCATION.--Lat 40°22'35", long 105°29'06", in NE¼NE¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, on right bank 100 ft upstream from Dry Gulch, 600 ft downstream from Olympus Dam, and 2.0 mi east of Estes Park.

DRAINAGE AREA.--155 mi². Area at site used Jan. 29, 1934, to Mar. 21, 1951, 162 mi².

GAGE.--Graphic water-stage recorder and Satellite Monitoring DCP in a concrete shelter and well at a 15-foot Parshall Flume. Sutron 8210 DCP has a speech modem card and telephone access. There is a supplementary outside gage.

REMARKS.--Primary record is hourly data taken from satellite monitoring with chart as backup. Record is complete and reliable. The record is good. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTBLES010 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

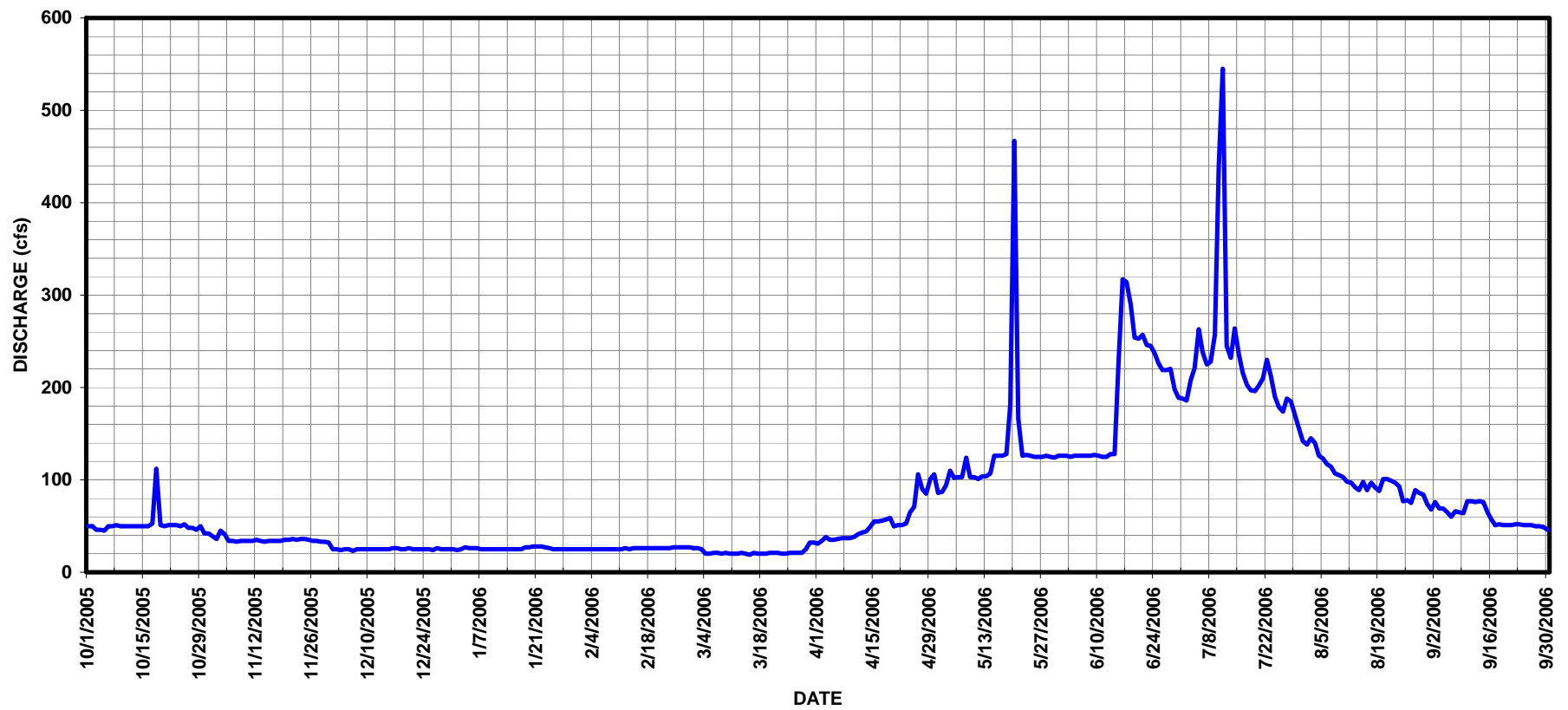
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	39	25	24	25	26	31	86	126	188	138	68
2	50	36	25	25	25	26	34	87	126	186	145	76
3	46	45	24	27	25	25	38	94	125	208	140	69
4	46	41	25	26	25	20	35	110	126	221	126	69
5	45	34	25	26	25	20	35	102	126	263	123	65
6	50	34	23	26	25	21	36	103	126	238	117	60
7	50	33	25	25	25	21	37	103	126	225	114	66
8	51	34	25	25	25	20	37	124	126	228	107	65
9	50	34	25	25	25	21	37	103	127	257	105	64
10	50	34	25	25	25	20	38	103	126	439	103	77
11	50	34	25	25	25	20	41	101	125	545	98	77
12	50	35	25	25	26	20	43	104	125	245	97	76
13	50	34	25	25	25	21	44	104	128	232	92	77
14	50	33	25	25	26	20	49	107	128	264	89	76
15	50	34	25	25	26	19	55	126	226	236	98	65
16	50	34	26	25	26	21	55	126	317	216	89	57
17	53	34	26	25	26	20	56	126	314	203	97	51
18	112	34	25	27	26	20	57	128	290	197	92	52
19	51	35	25	27	26	20	59	182	254	196	88	51
20	50	35	26	28	26	21	50	467	253	202	101	51
21	51	36	25	28	26	21	51	167	257	210	101	51
22	51	35	25	28	26	21	51	126	246	230	99	52
23	51	36	25	27	26	20	53	127	245	213	97	52
24	50	36	25	26	27	20	65	126	237	190	93	51
25	52	35	25	25	27	21	71	125	226	179	77	51
26	48	34	24	25	27	21	106	125	219	174	78	51
27	48	34	26	25	27	21	90	125	219	188	75	50
28	46	33	25	25	27	21	85	126	220	185	89	50
29	50	33	25	25	---	25	101	125	198	171	86	49
30	42	32	25	25	---	32	106	124	189	156	84	46
31	42	---	25	25	---	32	---	126	---	142	74	---
TOTAL	1585	1050	775	795	721	677	1646	4008	5676	7027	3112	1815
MEAN	51.1	35.0	25.0	25.6	25.7	21.8	54.9	129	189	227	100	60.5
AC-FT	3140	2080	1540	1580	1430	1340	3260	7950	11260	13940	6170	3600
MAX	112	45	26	28	27	32	106	467	317	545	145	77
MIN	42	32	23	24	25	19	31	86	125	142	74	46

CAL YR	2005	TOTAL	24702	MEAN	67.7	MAX	344	MIN	23	AC-FT	49000
WTR YR	2006	TOTAL	28887	MEAN	79.1	MAX	545	MIN	19	AC-FT	57300

MAX DISCH: 566 CFS AT 18:30 ON Jul. 11, 2006 GH 4.16 FT. SHIFT 0 FT.
MAX GH: 4.16 FT. AT 18:30 ON Jul. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06735500 BIG THOMPSON RIVER (below Lake Estes) NEAR ESTES PARK CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06734900 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES, CO

LOCATION.--Lat 40°22'30", long 105°29'13", in SE¼NW¼ sec. 29, T.5 N., R.72 W., Larimer County, Hydrologic Unit 10190006, at tunnel entrance at south end of Olympus Dam on Lake Estes, 1.9 mi east of Estes Park.

GAGE.--Graphic water-stage recorder and satellite monitoring DCP with a High Data Rate Logger and shaft encoder in a concrete shelter. The DCP has a phone modem for off site connection of live readings. The primary reference is an electric drop tape located in the station. The DCP is the primary record. The chart recorder was removed on March 23, 2006 as per agreement by USBR and DWR staff.

REMARKS.--Primary record is hourly data taken from satellite monitoring with graphic chart as back up. The record is complete and reliable. Zero Flow occurs at gage heights of 0.2 ft. or less due to well conditions. The chart scale is 1 inch = 1 ft water, so chart mean GH's can only be read to ±0.03 ft. Calibration on the chart was good this year. The record is good, except for daily values on June 5, 8, 12, 29 and August 9, 2006 are fair due to questions about low recorded values. The record this year was developed in direct cooperation with the USBR. Rating number 7 was created for the USBR. Rating 7 uses Rating 6 up to about GH= 4.3 ft, Q = 272cfs. Above 272 cfs, Rating 7 is not based on measurements, but instead is based on USBR estimates of flow into Olympus Tunnel. These estimates assume that the Adams Tunnel gage is working properly. Verification of Rating 7 is in process as a new measurement bridge has been installed at Adams Tunnel. Station maintained by USBR and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--OLYTUNCO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

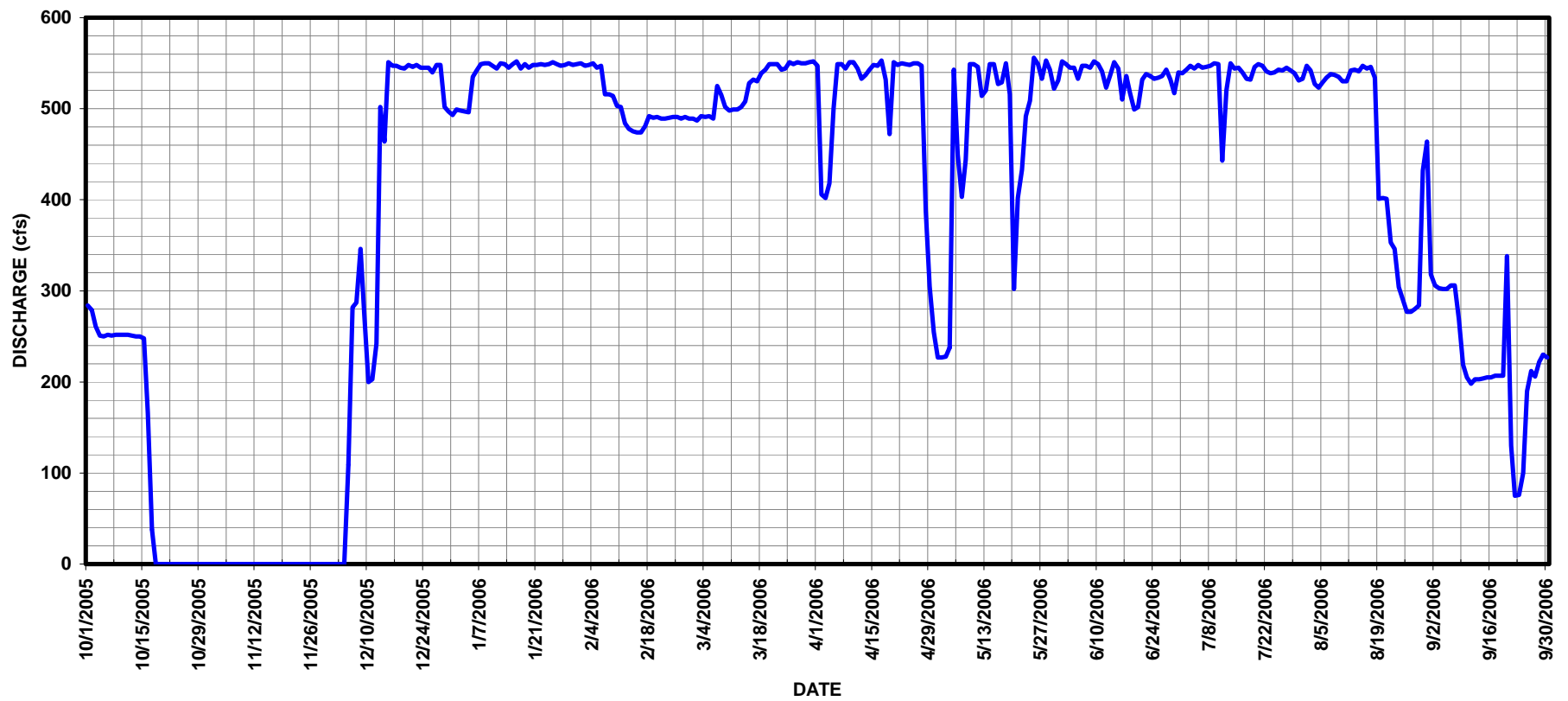
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	0	0	499	550	489	547	227	552	539	547	318
2	279	0	0	498	547	487	406	227	549	543	542	306
3	261	0	0	497	548	492	402	228	545	547	527	303
4	251	0	0	496	550	491	418	238	545	544	523	302
5	250	0	109	535	545	492	500	543	533	548	529	302
6	252	0	282	542	547	489	549	450	547	545	534	306
7	251	0	287	549	516	525	549	403	547	546	538	306
8	252	0	346	550	516	515	544	444	545	547	537	269
9	252	0	274	550	514	502	551	549	552	550	535	219
10	252	0	200	547	503	498	551	549	549	549	530	205
11	252	0	203	544	502	499	544	546	541	443	530	198
12	251	0	242	550	484	499	533	514	523	520	542	203
13	250	0	502	549	478	502	537	520	537	550	543	203
14	250	0	464	545	475	508	543	549	551	544	541	204
15	248	0	551	549	474	528	548	549	544	545	547	205
16	166	0	547	552	474	532	547	527	510	540	544	205
17	38	0	547	544	481	530	553	529	536	533	546	207
18	0	0	545	549	492	539	532	550	517	532	534	207
19	0	0	544	545	490	543	472	516	499	546	401	207
20	0	0	548	548	491	549	551	302	502	549	402	338
21	0	0	546	548	489	549	548	402	532	547	401	130
22	0	0	548	549	489	549	550	433	538	541	353	75
23	0	0	545	548	490	543	549	492	536	539	346	76
24	0	0	545	549	491	544	548	509	533	540	304	100
25	0	0	545	551	491	551	550	556	534	543	290	190
26	0	0	540	549	489	549	550	549	536	542	277	212
27	0	0	548	547	491	551	547	533	543	545	277	206
28	0	0	548	548	489	550	388	553	532	542	280	222
29	0	0	502	550	---	550	305	543	517	539	284	230
30	0	0	497	548	---	551	255	522	540	531	432	227
31	0	---	493	549	---	552	---	531	---	533	464	---
TOTAL	4039	0	12048	16774	14096	16248	15167	14583	16065	16702	14180	6681
MEAN	130	0	389	541	503	524	506	470	536	539	457	223
AC-FT	8010	0	23900	33270	27960	32230	30080	28930	31860	33130	28130	13250
MAX	284	0	551	552	550	552	553	556	552	550	547	338
MIN	0	0	0	496	474	487	255	227	499	443	277	75
CAL YR 2005	TOTAL	104061.4	MEAN	285	MAX	553	MIN	0	AC-FT	206400		
WTR YR 2006	TOTAL	146583	MEAN	402	MAX	556	MIN	0	AC-FT	290700		

MAX DISCH: 598 CFS AT 22:15 ON Jan. 16, 2006 GH 8.57 FT. SHIFT 0 FT.
MAX GH: 8.57 FT. AT 22:15 ON Jan. 16, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06734900 OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE, CO

LOCATION.--Lat 40°20'45", long 105°26'30", NW¼ sec. 3, T.5 N., R.71 W., Larimer County, 400 ft upstream from mouth at Drake, Co. on U. S. Highway 34 to Estes Park, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--85.1 mi²; 1947 to present.

GAGE.--Graphic water-stage recorder and High Data Rate DCP logger with shaft encoder in a 42-inch well. The electric drop tape is the primary reference with a supplemental outside chain gage as backup.

REMARKS.--The primary record is primary data transmitted by the DCP, with chart record as back up. The record is complete and reliable except for November 30, 2005 to April 3, 2006 when that station was shut down for the winter, and August 3, 2006 at 13:00 hrs when the encoder and chart floats were pulled to replace flushing valves in the well. Stage-discharge relationship was affected by ice on November, 15, 17-30, 2005. The record is good, except for following periods: November 15, 17-28, 2005 which is ice effected and is estimated and rated fair; November 29, 2005 to April 2, 2006 (winter record) is estimated and rated poor; April 3, 2006 is partial day record and is fair. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTNFDR011 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	7.5	8.0	7.0	4.0	6.5	11	35	24	26	17
2	14	12	7.5	7.5	7.0	4.0	6.5	11	37	25	25	16
3	14	12	7.5	8.0	7.0	4.0	7.0	13	40	25	24	16
4	14	12	7.0	7.0	7.0	4.0	7.3	15	42	30	24	15
5	17	12	6.5	7.0	7.0	4.5	8.0	14	45	30	23	14
6	16	11	6.5	7.0	6.5	4.5	8.1	14	47	27	22	14
7	16	13	3.0	7.5	6.0	4.0	7.5	16	47	27	22	14
8	15	12	3.0	8.5	6.0	3.5	7.0	15	50	37	21	16
9	17	12	6.0	8.0	6.0	3.5	7.8	16	53	101	20	21
10	20	12	7.0	8.0	4.5	3.5	8.0	15	53	82	19	18
11	19	12	7.0	8.0	4.0	3.5	8.7	14	49	58	19	19
12	18	12	7.0	8.0	4.0	3.5	8.5	14	46	48	18	19
13	17	10	7.0	8.0	5.0	3.5	8.4	16	43	43	19	15
14	17	9.0	7.0	8.0	5.5	3.0	9.7	19	47	38	20	14
15	17	7.0	7.0	8.0	5.0	4.5	10	20	45	35	20	14
16	16	6.4	6.5	7.0	4.5	4.0	8.6	22	43	34	20	14
17	16	6.0	6.0	7.5	3.0	4.0	9.2	24	37	33	19	15
18	15	6.0	5.0	7.5	3.0	4.0	9.9	28	33	34	19	14
19	16	7.0	5.5	6.0	3.5	4.5	8.3	33	33	34	23	14
20	18	7.0	6.0	4.0	4.5	4.0	8.1	45	33	37	20	14
21	17	7.0	7.5	5.0	4.5	4.0	8.3	46	32	42	19	14
22	16	8.0	9.0	5.0	5.0	4.0	8.4	45	32	35	20	14
23	15	8.0	9.0	5.0	5.0	4.0	11	51	31	33	18	14
24	14	7.0	9.0	5.0	5.5	4.5	14	44	29	33	16	14
25	14	7.0	8.5	6.0	4.5	5.0	11	44	29	34	17	14
26	14	7.0	8.5	6.0	4.5	5.5	10	47	27	40	19	14
27	13	7.0	8.0	6.0	5.0	5.5	12	46	26	32	20	13
28	13	7.0	8.0	6.0	5.0	5.0	13	44	26	30	19	13
29	13	7.0	8.0	6.0	---	5.0	11	39	25	28	19	12
30	13	7.5	8.0	6.5	---	5.5	11	36	24	26	17	12
31	12	---	8.0	6.5	---	6.0	---	35	---	25	16	---
TOTAL	481	274.9	217.0	211.5	145.0	132.0	272.8	852	1139	1160	623	447
MEAN	15.5	9.16	7.00	6.82	5.18	4.26	9.09	27.5	38.0	37.4	20.1	14.9
AC-FT	954	545	430	420	288	262	541	1690	2260	2300	1240	887
MAX	20	13	9.0	8.5	7.0	6.0	14	51	53	101	26	21
MIN	12	6.0	3.0	4.0	3.0	3.0	6.5	11	24	24	16	12

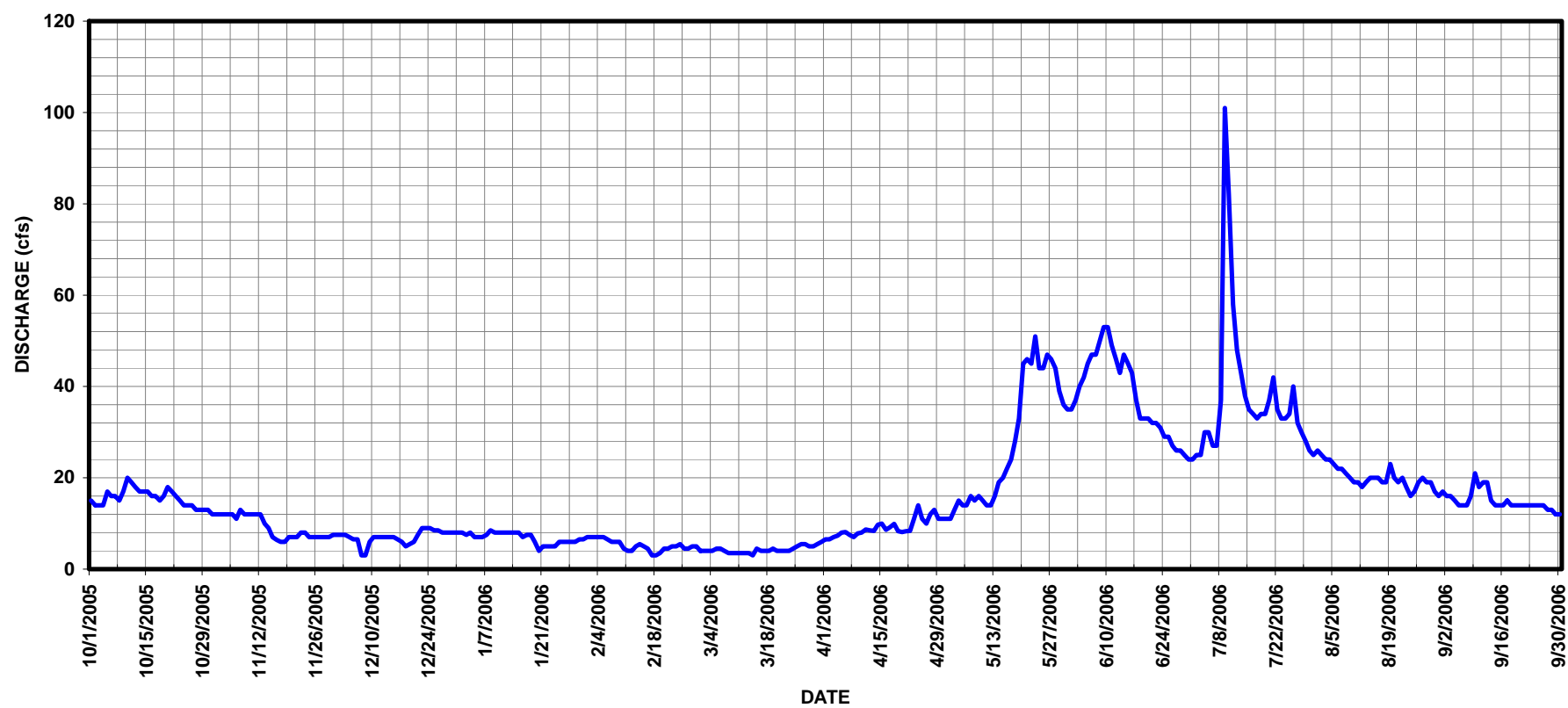
CAL YR	2005	TOTAL	13422.6	MEAN	36.8	MAX	189	MIN	3	AC-FT	26620
WTR YR	2006	TOTAL	5955.2	MEAN	16.3	MAX	101	MIN	3	AC-FT	11810

MAX DISCH: 115 CFS AT 14:45 ON Jul. 9, 2006 GH 4.43 FT. SHIFT 0 FT.

MAX GH: 4.43 FT. AT 14:45 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06736000 NORTH FORK BIG THOMPSON RIVER AT DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE, CO

LOCATION.--Lat 40°25'10", long 105°14'45", NW¼NW¼ sec. 9, T.5 N., R.70 W., Larimer County. Diverts water from Big Thompson River and Transmountain diversions from Colorado River basin to Hansen Feeder Canal.

GAGE.--A-35 Stevens graphic recorder and a high data rate Data Collection Platform (DCP) in a concrete shelter and well. The station is maintained by Northern Colorado Water Conservancy District personnel.

REMARKS.--The primary record is hourly DCP data with chart back-up. Chart record is checked daily when tunnel is in operation by Northern Colorado Water Conservancy District personnel. The record is complete and reliable. The chart recorder and encoder do achieve zero stage, presumably due to the built diversion pool upstream of the gage. Therefore, zero discharge is determined operationally, and confirmed by visits by NCWCD and DWR personnel and USBR water orders. Record is good. Flow at station is intermittent dependent on river flows, water orders, and other regulations. Station maintained and record developed by Russell Stroud.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

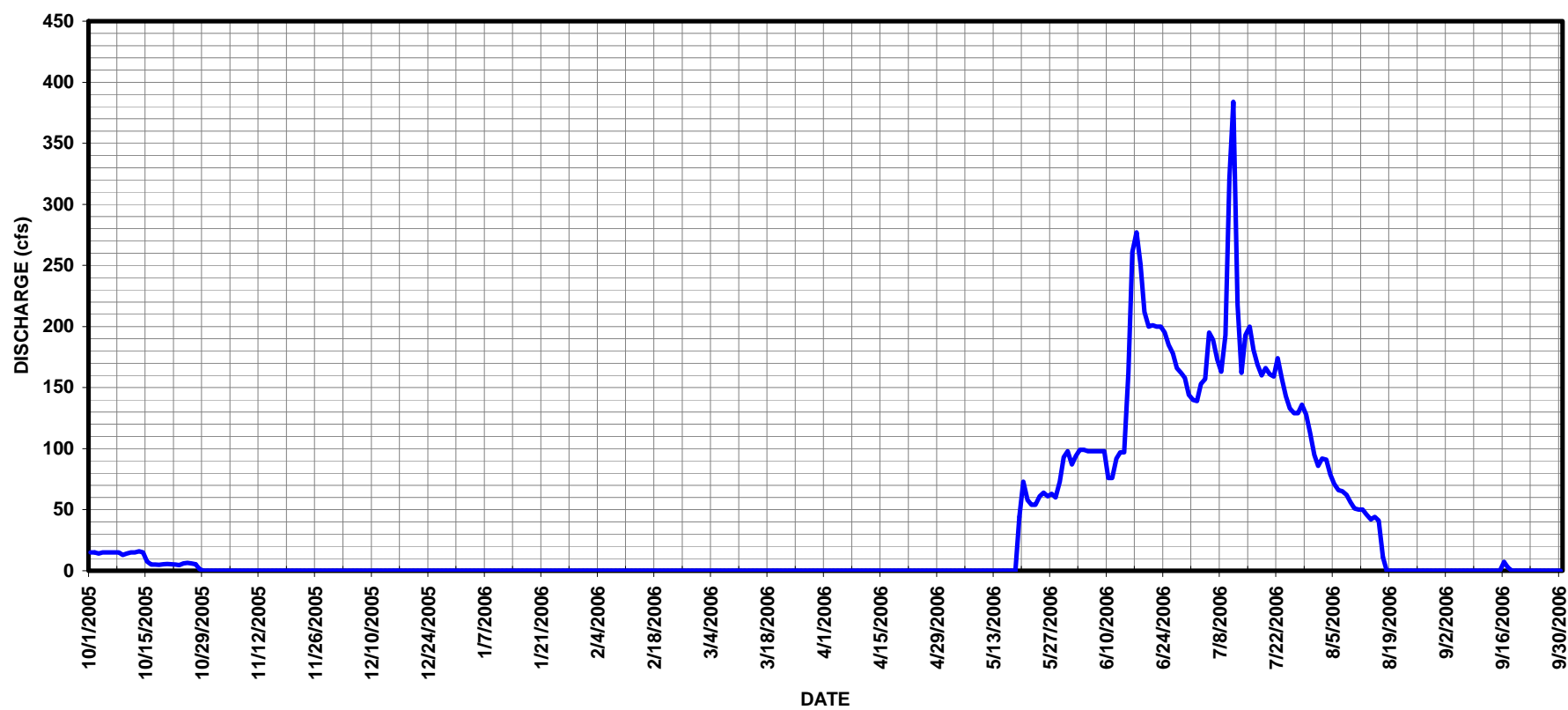
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	0	0	0	0	0	0	0	87	140	86	0
2	15	0	0	0	0	0	0	0	94	139	92	0
3	14	0	0	0	0	0	0	0	99	153	91	0
4	15	0	0	0	0	0	0	0	99	157	79	0
5	15	0	0	0	0	0	0	0	98	195	71	0
6	15	0	0	0	0	0	0	0	98	189	66	0
7	15	0	0	0	0	0	0	0	98	173	65	0
8	15	0	0	0	0	0	0	0	98	163	62	0
9	13	0	0	0	0	0	0	0	98	193	56	0
10	14	0	0	0	0	0	0	0	76	321	51	0
11	15	0	0	0	0	0	0	0	76	384	50	0
12	15	0	0	0	0	0	0	0	92	218	50	0
13	16	0	0	0	0	0	0	0	97	162	46	0
14	15	0	0	0	0	0	0	0	97	193	42	0
15	7.7	0	0	0	0	0	0	0	162	200	44	0
16	5.1	0	0	0	0	0	0	0	261	181	41	7.1
17	5.0	0	0	0	0	0	0	0	277	169	11	2.6
18	4.9	0	0	0	0	0	0	0	251	160	0	0
19	5.3	0	0	0	0	0	0	44	212	166	0	0
20	5.6	0	0	0	0	0	0	73	200	161	0	0
21	5.4	0	0	0	0	0	0	58	201	159	0	0
22	5.1	0	0	0	0	0	0	54	200	174	0	0
23	4.7	0	0	0	0	0	0	54	200	157	0	0
24	6.0	0	0	0	0	0	0	61	195	143	0	0
25	6.4	0	0	0	0	0	0	64	185	133	0	0
26	5.9	0	0	0	0	0	0	61	178	129	0	0
27	5.3	0	0	0	0	0	0	63	166	129	0	0
28	1.4	0	0	0	0	0	0	60	162	136	0	0
29	0	0	0	0	---	0	0	73	158	128	0	0
30	0	0	0	0	---	0	0	93	144	113	0	0
31	0	---	0	0	---	0	---	98	---	95	0	---
TOTAL	280.8	0	0	0	0	0	0	856	4459	5313	1003	9.7
MEAN	9.06	0	0	0	0	0	0	27.6	149	171	32.4	.32
AC-FT	557	0	0	0	0	0	0	1700	8840	10540	1990	19
MAX	16	0	0	0	0	0	0	98	277	384	92	7.1
MIN	0	0	0	0	0	0	0	0	76	95	0	0

CAL YR	2005	TOTAL	12913	MEAN	35.4	MAX	282	MIN	0	AC-FT	25610
WTR YR	2006	TOTAL	11921.5	MEAN	32.7	MAX	384	MIN	0	AC-FT	23650

MAX DISCH: 392 CFS AT 09:45 ON Jul. 11, 2006 GH 4.76 FT. SHIFT 0 FT.
MAX GH: 4.76 FT. AT 09:45 ON Jul. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DILLE TUNNEL (EAST PORTAL) NEAR DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE, CO

LOCATION.--Lat 40°25'18", long 105°13'34", in SW¼SW¼ sec. 3, T,5 N., R.70 W., Larimer County, Hydrologic Unit 10190006, on right bank at mouth of canyon, 400 ft upstream from Handy Ditch diversion dam, and 6.0 mi east of Drake.

DRAINAGE AREA AND PERIOD OF RECORD.--305 mi²; 1927-1933, 1938 to present.

GAGE.--A 60 inch by 72-inch pre-cast concrete shelter at concrete control section. The station is equipped with satellite monitoring and continuous chart recorder, both activated by a Stacom manometer. An outside wire-weight is used as the primary reference for the gage. This gage is simultaneously used by the State of Colorado, the USBR, NCWCD and the Home Supply Ditch.

REMARKS.-- The primary record is hourly data, taken from satellite monitoring with chart back up. The chart does not operate independently from the DCP data but chart data is used to fill in when the DCP data is missed for any reason, or if the encoder slips its chain drive from the manometer. The record is good due to frequency of measurements and visits and the presence of an artificial control, except for the following periods: November 26, 2005 to November 30, 2005 is ice affected, record is estimated and fair; November 30, 2005 to March 6, 2006, when the station was closed for winter, and record was estimated and is considered poor; March 11, 2006 to March 17, 2006 should be considered fair due to possible ice effect. Station maintained and record developed by Russell Stroud.

RATING TABLE.--BTCANYCO16 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	48	37	32	32	33	35	93	65	59	62	80
2	42	45	32	34	30	31	34	87	58	59	59	80
3	41	46	31	35	31	31	38	95	56	59	57	78
4	40	49	29	33	32	27	39	109	57	76	58	75
5	40	44	29	33	30	27	38	106	60	72	58	72
6	41	41	29	34	34	27	38	103	64	67	58	65
7	44	41	28	33	35	24	39	105	64	64	57	71
8	44	41	28	34	31	24	39	114	66	86	54	75
9	49	41	31	35	29	23	38	108	70	147	54	77
10	56	41	32	36	29	23	38	101	91	132	56	83
11	45	41	33	35	32	23	41	97	89	159	54	88
12	46	42	33	33	36	23	42	99	67	118	52	88
13	44	41	32	35	34	24	42	102	62	87	52	82
14	43	41	30	35	33	23	47	107	65	84	55	81
15	50	35	30	33	31	23	53	122	70	62	57	73
16	53	36	31	30	29	25	55	127	59	60	56	61
17	52	45	32	31	27	27	54	130	56	56	83	57
18	93	42	31	33	27	24	54	135	60	57	95	58
19	75	44	31	33	30	26	57	107	66	50	95	58
20	57	44	32	32	32	24	51	402	69	61	98	58
21	55	43	33	30	33	24	49	219	69	73	105	58
22	55	42	34	33	33	25	50	105	64	70	103	59
23	55	44	34	34	31	24	51	110	59	74	99	62
24	53	42	34	35	32	24	64	99	58	69	95	62
25	53	43	34	35	33	24	67	94	58	70	89	60
26	52	41	33	35	35	25	89	100	55	74	83	59
27	48	39	34	33	38	24	91	97	64	71	83	58
28	52	39	33	31	35	25	85	101	70	62	87	58
29	54	39	33	31	---	26	91	83	59	58	90	56
30	52	39	34	33	---	31	99	62	58	56	88	55
31	49	---	33	33	---	34	---	52	---	60	85	---
TOTAL	1575	1259	990	1032	894	798	1608	3571	1928	2352	2277	2047
MEAN	50.8	42.0	31.9	33.3	31.9	25.7	53.6	115	64.3	75.9	73.5	68.2
AC-FT	3120	2500	1960	2050	1770	1580	3190	7080	3820	4670	4520	4060
MAX	93	49	37	36	38	34	99	402	91	159	105	88
MIN	40	35	28	30	27	23	34	52	55	50	52	55

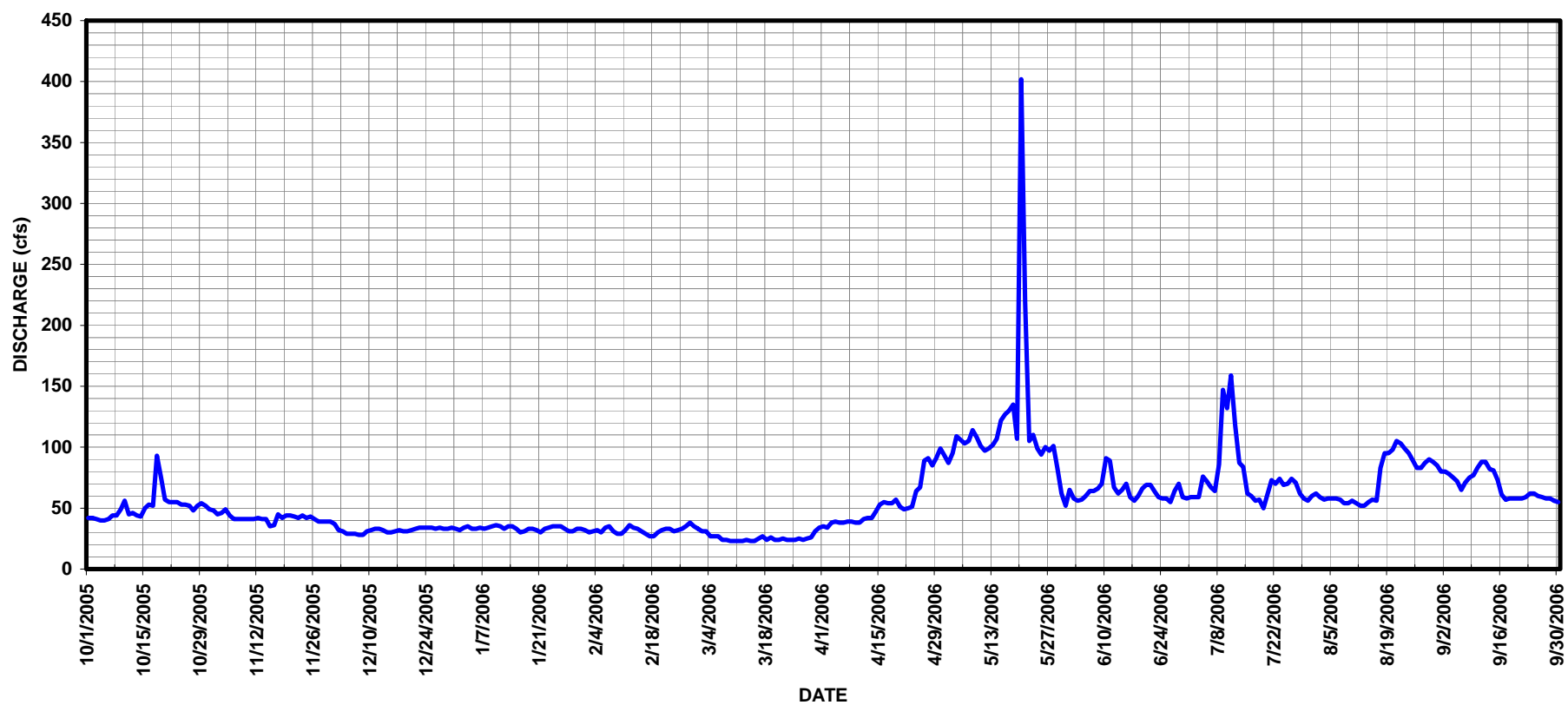
CAL YR	2005	TOTAL	25057	MEAN	68.6	MAX	414	MIN	28	AC-FT	48710
WTR YR	2006	TOTAL	20331	MEAN	55.7	MAX	402	MIN	23	AC-FT	40330

MAX DISCH: 456 CFS AT 10:00 ON May. 20, 2006 GH 3.49 FT. SHIFT 0 FT.

MAX GH: 3.49 FT. AT 10:00 ON May. 20, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738000 BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

BUCKHORN CREEK NEAR MASONVILLE, CO

LOCATION.--Lat 40°26'04", long 105°10'47", just downstream from Larimer County Road 24H bridge over Buckhorn Creek.

DRAINAGE AREA.--140mi².

GAGE.--A-35 Stevens recorder and Data Collection Platform (DCP) with shaft encoder in a wooden shelter with inside electric tape. The DCP is the primary record with the graphic chart recorder as back up.

REMARKS.--The primary record is hourly date from satellite monitoring with chart back up. Daily maximum and minimum stages for the satellite record checked to within +0.02 with the chart. The record is complete and reliable, except for December 8, 2005 to March 6, 2006, when the station was closed for the winter. The record is good, except for December 8, 2005 to March 6, 2006, which is estimated and poor. Station maintained and record developed by Mark Simpson.

RATING TABLE.--BUCRMVCO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.59	1.7	1.7	1.5	1.5	1.0	2.8	2.8	1.4	.66	.56	.55
2	.51	1.7	1.7	1.5	1.5	1.0	3.0	2.6	1.3	.74	.67	.59
3	.57	1.6	1.7	1.5	1.5	1.0	3.2	2.6	1.3	.76	.62	.60
4	.72	1.6	1.5	1.5	1.5	1.0	3.4	2.9	1.2	.77	.61	.57
5	.75	1.3	1.4	1.5	1.5	1.0	3.4	2.9	1.2	.83	.60	.59
6	.68	1.6	1.4	1.5	1.5	1.0	3.6	3.1	1.0	.82	.59	.59
7	.72	1.7	1.5	1.5	1.5	1.3	4.1	3.1	.98	.83	.60	.59
8	.69	1.7	1.5	1.5	1.5	1.4	4.2	2.8	.89	.95	.60	.68
9	.86	1.7	1.5	1.5	1.5	1.6	3.6	2.6	.85	1.3	.55	.79
10	1.1	1.8	1.5	1.5	1.5	1.5	3.3	2.7	.87	1.1	.49	.83
11	.83	1.9	1.5	1.5	1.5	1.6	3.1	3.1	.82	.90	.48	.90
12	.83	1.9	1.5	1.5	1.5	1.6	3.3	2.8	.74	.73	.50	.87
13	.68	1.9	1.5	1.5	1.5	1.6	2.8	2.4	.72	.66	.49	.82
14	.68	1.9	1.5	1.5	1.5	1.6	2.7	2.0	.70	.58	.50	.76
15	.68	1.9	1.5	1.5	1.5	1.6	3.0	1.8	.68	.53	.49	.75
16	.60	2.0	1.5	1.5	1.5	1.6	3.3	1.7	.78	.50	.49	.83
17	.60	2.0	1.5	1.5	1.5	1.7	3.4	1.6	.77	.51	.46	.83
18	.60	1.9	1.5	1.5	1.5	1.7	2.9	1.6	.71	.53	.47	.83
19	.87	1.9	1.5	1.5	1.0	1.8	2.8	1.5	.73	.51	.53	.83
20	.82	1.9	1.5	1.5	1.0	1.9	2.6	1.4	.70	.58	.51	.83
21	.83	1.9	1.5	1.5	1.0	1.9	2.5	1.3	.71	.59	.48	.83
22	.84	1.9	1.5	1.5	1.0	2.0	2.3	1.3	.83	.60	.47	.83
23	.83	1.9	1.5	1.5	1.0	2.1	2.2	1.5	.77	.57	.46	.83
24	.86	1.9	1.5	1.5	1.0	2.0	2.1	1.5	.70	.54	.44	.83
25	.91	1.9	1.5	1.5	1.0	2.0	2.2	1.6	.74	.70	.64	.78
26	1.1	1.9	1.5	1.5	1.0	2.0	2.3	1.5	.71	.75	.65	.77
27	1.1	1.9	1.5	1.5	1.0	2.0	2.3	1.5	.71	.65	.67	.75
28	1.3	1.9	1.5	1.5	1.0	2.0	2.3	1.2	.75	.55	.61	.78
29	1.4	1.9	1.5	1.5	---	2.0	2.3	1.2	.70	.53	.57	.73
30	1.5	1.7	1.5	1.5	---	2.3	2.5	1.4	.64	.50	.56	.71
31	1.7	---	1.5	1.5	---	2.5	---	1.4	---	.49	.52	---
TOTAL	26.75	54.4	46.9	46.5	37.0	51.3	87.5	63.4	25.60	21.26	16.88	22.47
MEAN	.86	1.81	1.51	1.50	1.32	1.65	2.92	2.05	.85	.69	.54	.75
AC-FT	53	108	93	92	73	102	174	126	51	42	33	45
MAX	1.7	2.0	1.7	1.5	1.5	2.5	4.2	3.1	1.4	1.3	.67	.90
MIN	.51	1.3	1.4	1.5	1.0	1.0	2.1	1.2	.64	.49	.44	.55

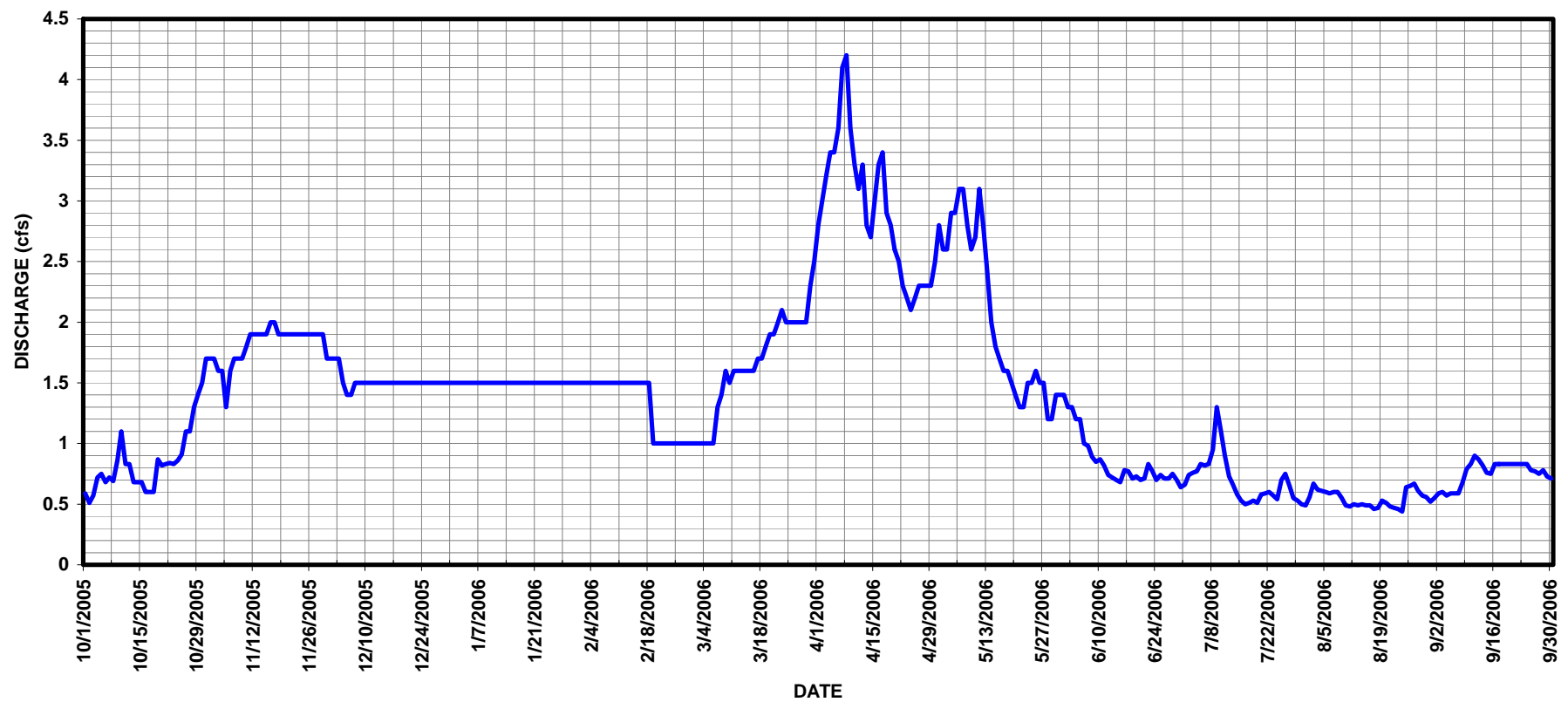
CAL YR	2005	TOTAL	4830.15	MEAN	13.20	MAX	195.0	MIN	.51	AC-FT	9580
WTR YR	2006	TOTAL	499.96	MEAN	1.37	MAX	4.2	MIN	.44	AC-FT	992

MAX DISCH: 6.11 CFS AT 11:15 ON Apr. 10, 2006 GH 4.93 FT. SHIFT 0 FT.

MAX GH: 4.93 FT. AT 11:15 ON Apr. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BUCKHORN CREEK NEAR MASONVILLE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE, CO

LOCATION.--Lat 40°25'20", long 105°13'33", SW¼SW¼ sec. 3, T.5 N., T.70 W., Larimer County.

GAGE.--Graphic chart recorder and 8210 DCP with shaft encoder in a precast concrete shelter. The station is maintained by Northern Colorado Water Conservancy District personnel.

REMARKS.--The primary record is hourly DCP data with the chart record as back-up. The record is complete and reliable. Chart data were used to fill in missing or bad DCP data on the following days: December 12, 2005 to December 13, 2005; January 17, 2006 to January 18, 2006. During the zero flow periods the chart/encoder used to go negative due to the draining of the canal for various projects. The base for the chart was changed from zero to a -2.0 to keep the pen from going into reversal every time the canal was drained. The record is good. Station maintained and record developed by Russell Stroud.

RATING TABLE.--HFCBBS017 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

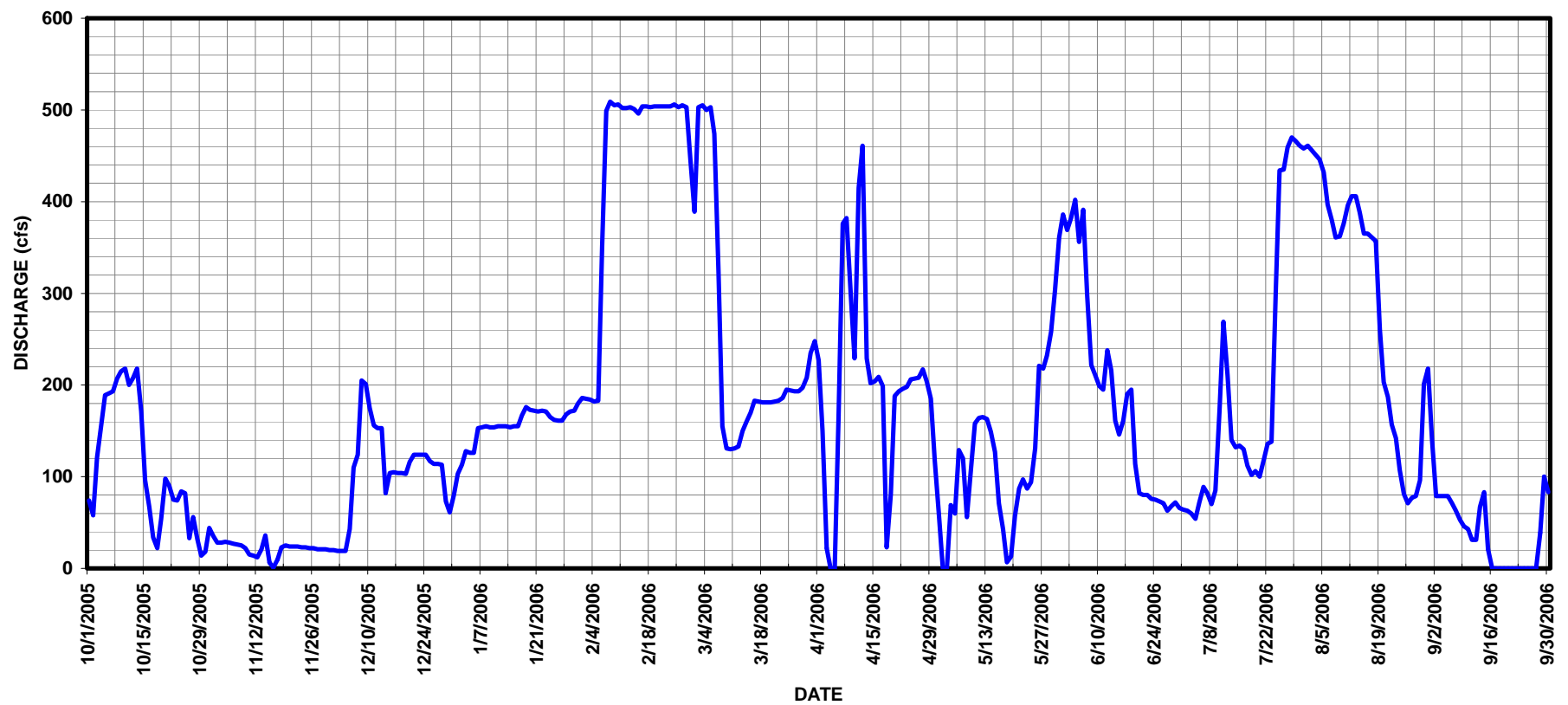
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	35	20	103	186	389	227	59	386	64	461	142
2	58	28	19	113	185	503	150	.96	369	63	456	79
3	121	28	19	128	184	505	22	.61	382	60	451	79
4	156	29	19	126	182	500	0	69	402	54	446	79
5	189	28	43	126	183	503	0	60	356	72	432	79
6	191	27	110	153	351	474	167	129	391	89	397	71
7	193	26	124	154	499	324	376	120	299	82	380	63
8	207	25	205	155	509	155	382	56	222	70	361	53
9	215	22	201	154	505	131	301	109	211	85	362	46
10	218	15	175	154	506	130	229	158	199	173	376	43
11	200	14	156	155	502	131	415	164	195	269	396	31
12	208	12	153	155	502	133	461	165	238	210	406	31
13	218	21	153	155	503	150	229	163	216	140	406	67
14	171	36	82	154	501	160	202	149	161	132	388	83
15	96	6.4	104	155	496	170	204	127	146	134	365	21
16	67	.91	105	155	504	183	209	71	161	130	365	0
17	34	9.7	104	167	504	182	199	43	190	112	361	0
18	22	23	104	176	503	181	23	6.8	195	102	357	0
19	54	25	103	173	504	181	81	13	114	106	261	0
20	98	24	116	172	504	181	188	57	82	100	203	0
21	90	24	124	171	504	182	193	87	80	117	187	0
22	75	24	124	172	504	183	196	97	80	136	157	0
23	74	23	124	171	504	186	198	87	76	138	142	0
24	84	23	124	165	506	195	206	94	75	298	107	0
25	82	22	117	162	503	194	207	131	73	434	81	0
26	33	22	114	161	505	193	208	221	71	435	71	0
27	56	21	114	161	503	193	217	218	63	459	77	0
28	32	21	113	168	446	197	204	232	68	470	79	39
29	14	21	73	171	---	208	185	258	72	466	96	100
30	18	20	61	172	---	235	118	303	66	461	201	83
31	44	---	80	180	---	248	---	361	---	458	218	---
TOTAL	3392	656.01	3283	4837	12288	7480	5997	3809.37	5639	6119	9046	1189
MEAN	109	21.9	106	156	439	241	200	123	188	197	292	39.6
AC-FT	6730	1300	6510	9590	24370	14840	11900	7560	11180	12140	17940	2360
MAX	218	36	205	180	509	505	461	361	402	470	461	142
MIN	14	.91	19	103	182	130	0	.61	63	54	71	0

CAL YR	2005	TOTAL	43641.01	MEAN	120	MAX	505	MIN	0	AC-FT	86560
WTR YR	2006	TOTAL	63735.38	MEAN	175	MAX	509	MIN	0	AC-FT	126400

MAX DISCH: 518 CFS AT 19:15 ON Feb. 21, 2006 GH 6.45 FT. SHIFT 0 FT.
MAX GH: 6.45 FT. AT 19:15 ON Feb. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE, CO

LOCATION.--Lat 40°25'11", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Graphic water-stage recorder with satellite telemetry in concrete shelter with supplemental outside staff gage at 15' Parshall flume. Station maintained by N.C.W.C.D.

REMARKS.--The primary record is hourly DCP data with the graphic chart as backup. The record is complete and reliable except for : November 4, 2005 thru March 24, 2006 when the station was closed for the winter. Record is good. The flow at station is intermittent depending on operation of power plant (BTTPMCCO) and the flow north (HFCBBSO) gages. The waste way serves as both a safety valve and delivery system returning water back to the Big Thompson River. Station maintained by NCWCD, USBR, and DWR personnel, and record developed by Russell Stroud.

RATING TABLE.--HFCWASCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	5.8
2	0	0	0	0	0	0	0	0	0	0	0	2.3
3	65	0	0	0	0	0	1.6	0	0	0	0	0
4	85	0	0	0	0	0	0	0	0	0	0	0
5	56	0	0	0	0	0	0	12	0	0	0	0
6	55	0	0	0	0	0	0	17	0	0	0	0
7	52	0	0	0	0	0	0	19	0	0	0	6.0
8	49	0	0	0	0	0	0	6.9	14	0	7.2	10
9	45	0	0	0	0	0	0	30	5.9	0	10	10
10	45	0	0	0	0	0	0	46	3.1	4.5	20	3.0
11	64	0	0	0	0	0	0	36	1.3	2.5	32	0
12	63	0	0	0	0	0	0	45	0	0	35	0
13	61	0	0	0	0	0	0	47	0	0	35	0
14	60	0	0	0	0	0	0	61	0	0	35	0
15	61	0	0	0	0	0	0	75	0	0	34	0
16	58	0	0	0	0	0	0	110	0	0	34	0
17	57	0	0	0	0	0	0	162	0	0	11	0
18	17	0	0	0	0	0	1.6	176	0	0	0	0
19	2.0	0	0	0	0	0	0	75	0	0	0	38
20	0	0	0	0	0	0	10	20	0	0	0	84
21	0	0	0	0	0	0	8.6	252	0	0	0	0
22	0	0	0	0	0	0	5.5	332	0	0	0	0
23	0	0	0	0	0	0	9.0	396	0	0	0	0
24	0	0	0	0	0	0	3.0	168	0	0	0	0
25	0	0	0	0	0	0	0	65	0	0	0	0
26	0	0	0	0	0	0	0	19	0	0	0	0
27	0	0	0	0	0	0	0	9.3	0	0	0	0
28	0	0	0	0	0	0	0	3.8	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	1.3	---
TOTAL	895.0	0	0	0	0	0	39.3	2183.0	24.3	7.0	254.5	159.1
MEAN	28.9	0	0	0	0	0	1.31	70.4	.81	.23	8.21	5.30
AC-FT	1780	0	0	0	0	0	78	4330	48	14	505	316
MAX	85	0	0	0	0	0	10	396	14	4.5	35	84
MIN	0	0	0	0	0	0	0	0	0	0	0	0

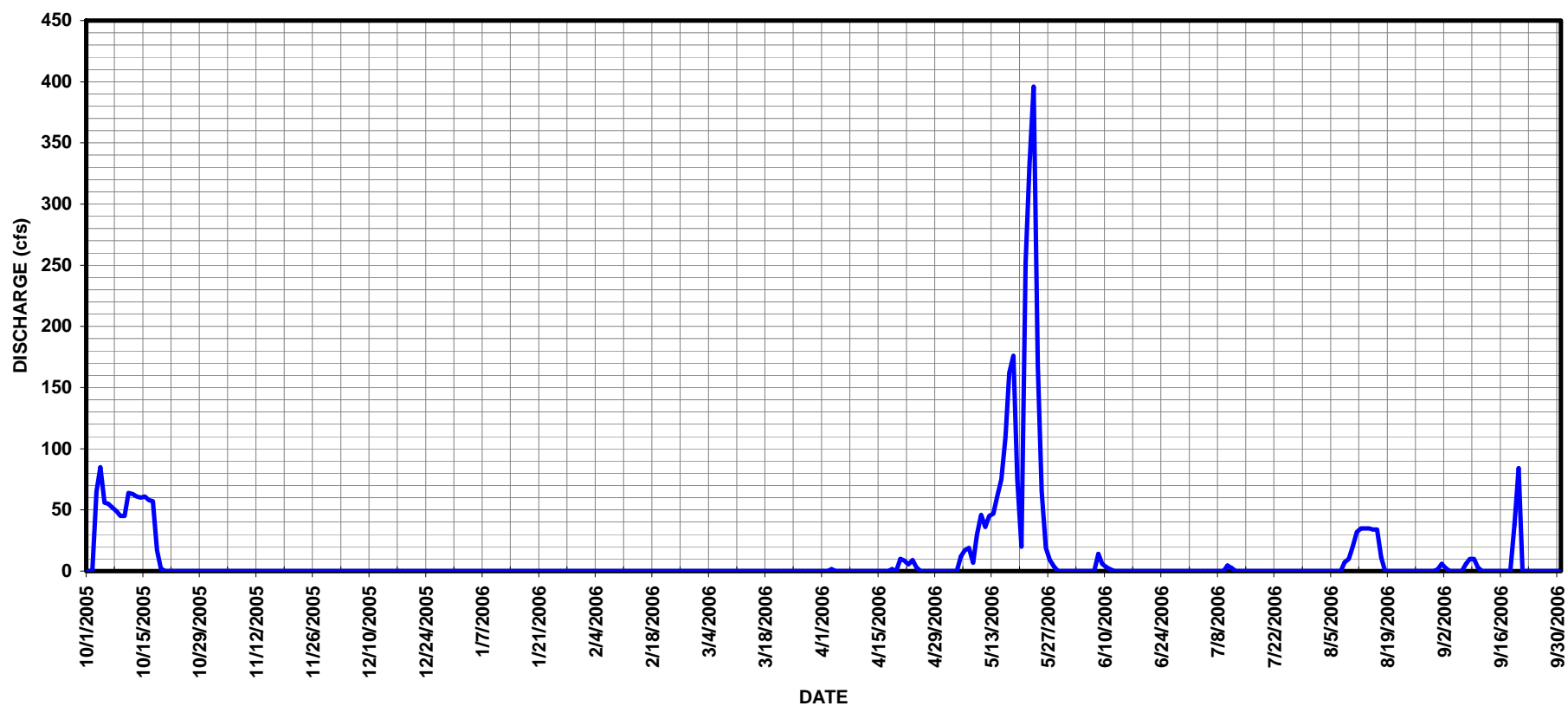
CAL YR	2005	TOTAL	4824.8	MEAN	13.2	MAX	157	MIN	0	AC-FT	9570
WTR YR	2006	TOTAL	3562.2	MEAN	9.76	MAX	396	MIN	0	AC-FT	7070

MAX DISCH: 484 CFS AT 07:15 ON Oct. 19, 2005 GH 3.61 FT. SHIFT 0 FT.

MAX GH: 3.61 FT. AT 07:15 ON Oct. 19, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738100 CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER
NEAR DRAKE, CO

LOCATION.--Lat 40°25'15", long 105°13'30", NE¼NW¼ sec. 10, T.5 N., R.70 W., Larimer County.

GAGE.--Graphic water-stage recorder and 8210 Data Collection Platform(DCP) connected to a flow meter directly connected to the power turbine. The station is maintained by the U.S.B.R. personnel.

REMARKS.--The primary record is hourly discharge data collected by the DCP with graphic chart as a backup. A flow meter is installed in the turbine inlet. No calibration information is available on the meter. The plant discharges directly to the river so there is no chance for a direct current meter measurement. The record is complete and reliable, except for the following: May 18 to May 24, 2006 when the flow meter and DCP suffered a malfunction. Record for this period is estimated from water orders and checked against a mass balance of the Hansen Feeder Canal System. Hourly data for June 14 and August 11, 2006, showed unexplained drops in flow which were not supported by water orders or the mass balance. The only clue that the meter might have been bad was a very high peak flow recorded on June 14 (498 cfs). It was decided to estimate the flow based on water orders for the few hours involved on these days, and to ignore the 498 cfs peak flow reading. The record is good, except for May 18-20, 22-24, 2006, which were estimated and fair due to a flow meter malfunction. Daily discharges for May 21, June 14, and August 31 are considered estimated and poor since the data was missing or irregular and computed flows did not agree with the Hansen Feeder Canal Mass Balance calculation. The flow at station is intermittent dependent on available river flows, water orders and other regulations. Station maintained by USBR and record developed by Russell Stroud.

RATING TABLE.--STCONVERT USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

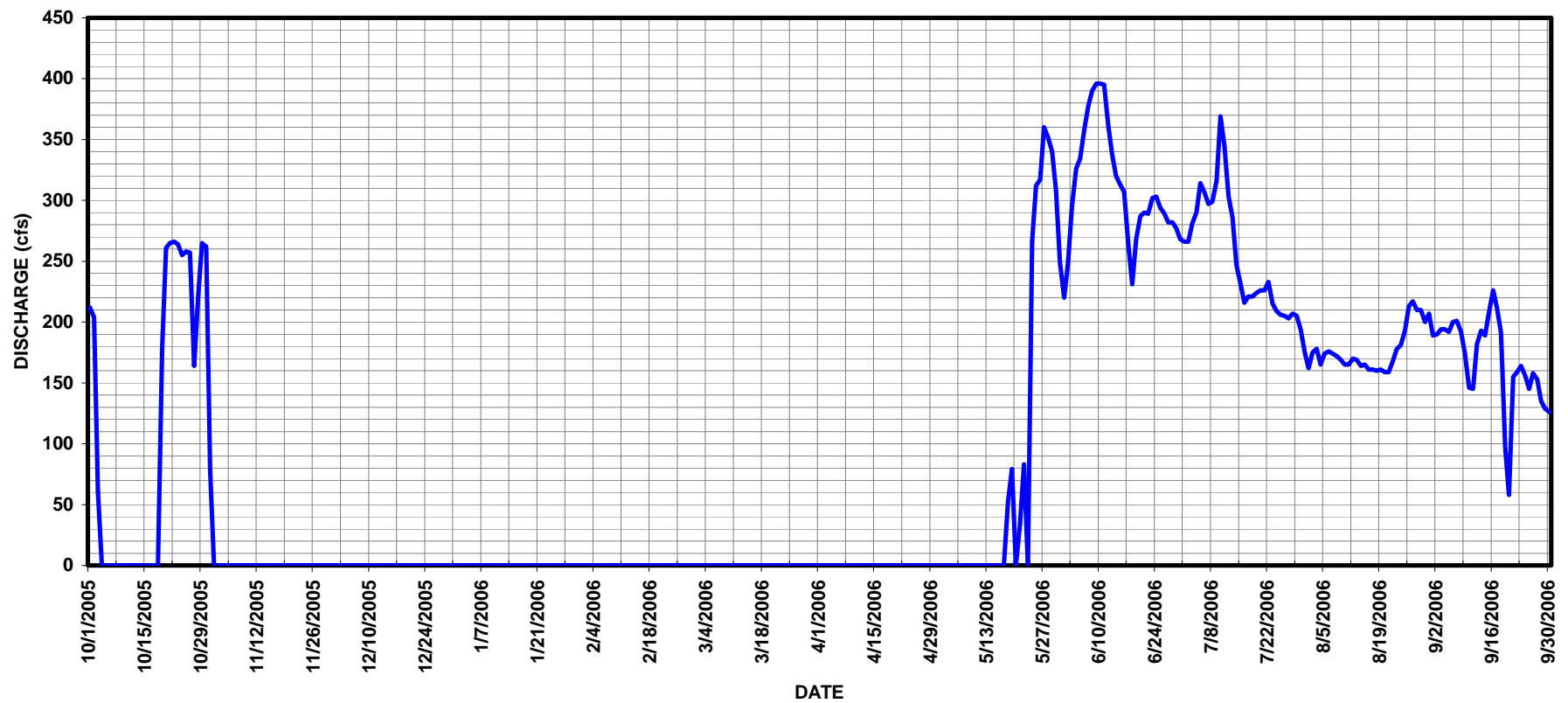
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	0	0	0	0	0	0	0	220	266	162	189
2	204	0	0	0	0	0	0	0	249	266	175	190
3	60	0	0	0	0	0	0	0	295	281	178	194
4	0	0	0	0	0	0	0	0	326	290	165	194
5	0	0	0	0	0	0	0	0	334	314	174	192
6	0	0	0	0	0	0	0	0	358	307	176	200
7	0	0	0	0	0	0	0	0	377	297	174	201
8	0	0	0	0	0	0	0	0	390	299	172	192
9	0	0	0	0	0	0	0	0	396	316	169	174
10	0	0	0	0	0	0	0	0	396	369	165	146
11	0	0	0	0	0	0	0	0	395	345	165	145
12	0	0	0	0	0	0	0	0	361	303	170	182
13	0	0	0	0	0	0	0	0	338	286	169	193
14	0	0	0	0	0	0	0	0	320	247	164	189
15	0	0	0	0	0	0	0	0	313	231	165	208
16	0	0	0	0	0	0	0	0	307	216	161	226
17	0	0	0	0	0	0	0	0	264	221	161	211
18	0	0	0	0	0	0	0	53	231	221	160	191
19	178	0	0	0	0	0	0	79	268	224	161	97
20	261	0	0	0	0	0	0	0	287	226	159	58
21	265	0	0	0	0	0	0	35	290	226	159	155
22	266	0	0	0	0	0	0	83	289	233	168	159
23	264	0	0	0	0	0	0	0	302	215	178	164
24	255	0	0	0	0	0	0	266	303	209	181	156
25	258	0	0	0	0	0	0	312	294	206	193	145
26	257	0	0	0	0	0	0	317	289	205	213	158
27	164	0	0	0	0	0	0	360	282	203	217	153
28	220	0	0	0	0	0	0	352	282	207	210	135
29	265	0	0	0	---	0	0	340	277	205	210	129
30	262	0	0	0	---	0	0	308	268	194	200	126
31	79	---	0	0	---	0	---	249	---	175	207	---
TOTAL	3470	0	0	0	0	0	0	2754	9301	7803	5481	5052
MEAN	112	0	0	0	0	0	0	88.8	310	252	177	168
AC-FT	6880	0	0	0	0	0	0	5460	18450	15480	10870	10020
MAX	266	0	0	0	0	0	0	360	396	369	217	226
MIN	0	0	0	0	0	0	0	0	220	175	159	58

CAL YR	2005	TOTAL	30484	MEAN	83.5	MAX	404	MIN	0	AC-FT	60470
WTR YR	2006	TOTAL	33861	MEAN	92.8	MAX	396	MIN	0	AC-FT	67160

MAX DISCH: 398 CFS AT 09:45 ON Jun. 9, 2006 GH None (GH Not Used-Direct Flowmeter)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06738100 CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER NEAR DRAKE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

BOULDER CREEK FEEDER CANAL NEAR LYONS, CO

LOCATION.--Lat 40°12'58", long 105°15'28", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--A-35 Stevens chart recorder in a 6 x 8 concrete shelter at a 10 ft Parshall Flume with outside staff gage. The gage has a Sutron data collection platform (DCP) with a High Data Rate Logger and a digital shaft encoder. The station is maintained by NCWCD personnel.

REMARKS.--The primary record is the hourly DCP data with chart backup. The record is complete and reliable. The record is good. Water was delivered by NCWCD personnel October 1, 2005 to October 31, 2005 and April 10, 2006 to September 30, 2006. November 1, 2005 to April 9, 2006 the station was off for the winter and no deliveries were made. Station maintained by NCWCD and DWR personnel and record developed by Russell Stroud.

RATING TABLE.--BFCLYOCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

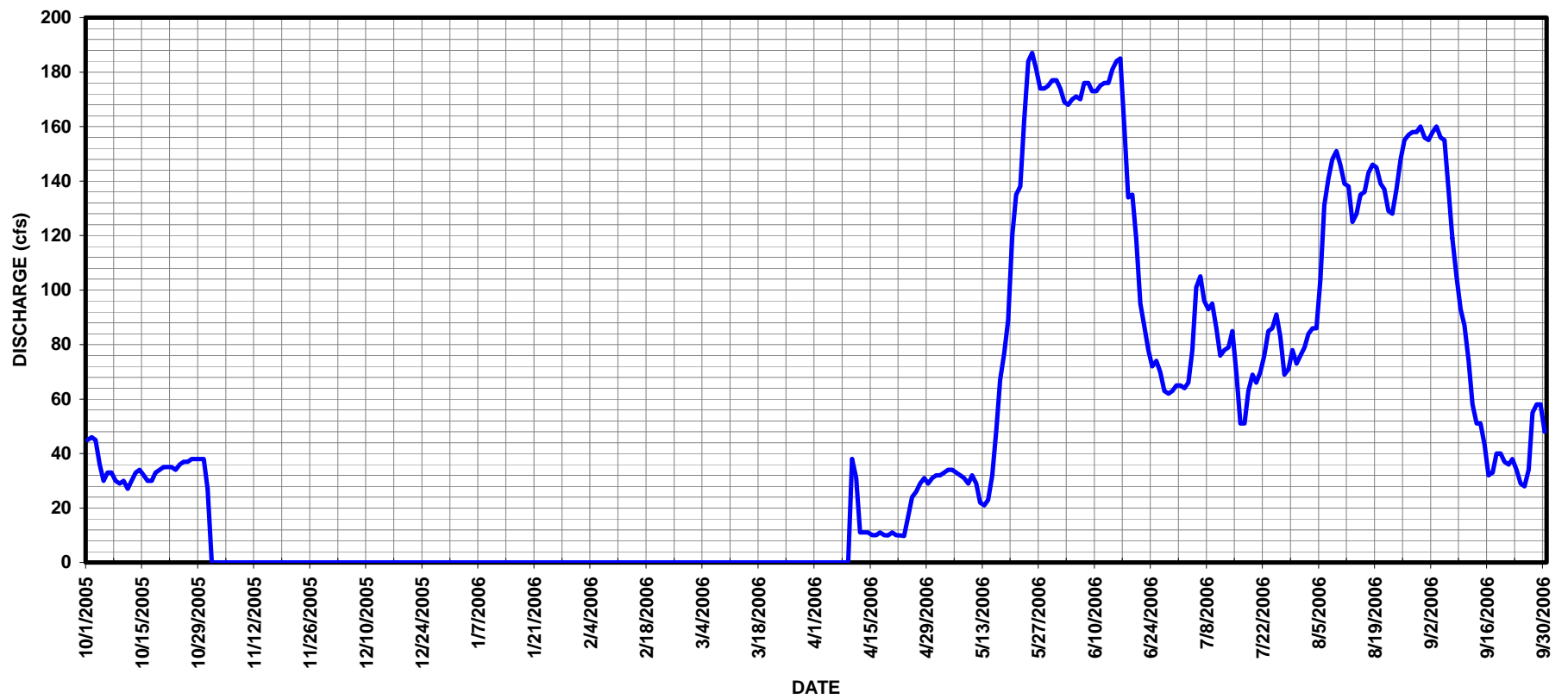
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	0	0	0	0	0	0	32	174	65	79	155
2	46	0	0	0	0	0	0	32	169	64	84	158
3	45	0	0	0	0	0	0	33	168	66	86	160
4	36	0	0	0	0	0	0	34	170	78	86	156
5	30	0	0	0	0	0	0	34	171	101	104	155
6	33	0	0	0	0	0	0	33	170	105	131	137
7	33	0	0	0	0	0	0	32	176	96	141	119
8	30	0	0	0	0	0	0	31	176	93	148	105
9	29	0	0	0	0	0	0	29	173	95	151	93
10	30	0	0	0	0	0	38	32	173	86	146	87
11	27	0	0	0	0	0	31	29	175	76	139	74
12	30	0	0	0	0	0	11	22	176	78	138	58
13	33	0	0	0	0	0	11	21	176	79	125	51
14	34	0	0	0	0	0	11	23	181	85	128	51
15	32	0	0	0	0	0	10	32	184	69	135	43
16	30	0	0	0	0	0	10	49	185	51	136	32
17	30	0	0	0	0	0	11	67	159	51	143	33
18	33	0	0	0	0	0	10	77	134	63	146	40
19	34	0	0	0	0	0	9.9	89	135	69	145	40
20	35	0	0	0	0	0	11	120	119	66	139	37
21	35	0	0	0	0	0	10	135	95	70	137	36
22	35	0	0	0	0	0	9.9	138	87	76	129	38
23	34	0	0	0	0	0	9.7	162	78	85	128	34
24	36	0	0	0	0	0	17	184	72	86	137	29
25	37	0	0	0	0	0	24	187	74	91	148	28
26	37	0	0	0	0	0	26	181	70	83	155	34
27	38	0	0	0	0	0	29	174	63	69	157	55
28	38	0	0	0	0	0	31	174	62	71	158	58
29	38	0	0	0	---	0	29	175	63	78	158	58
30	38	0	0	0	---	0	31	177	65	73	160	48
31	27	---	0	0	---	0	---	177	---	76	156	---
TOTAL	1068	0	0	0	0	0	380.5	2715	4073	2394	4153	2202
MEAN	34.5	0	0	0	0	0	12.7	87.6	136	77.2	134	73.4
AC-FT	2120	0	0	0	0	0	755	5390	8080	4750	8240	4370
MAX	46	0	0	0	0	0	38	187	185	105	160	160
MIN	27	0	0	0	0	0	0	21	62	51	79	28

CAL YR	2005	TOTAL	10786.9	MEAN	30.3	MAX	157	MIN	0	AC-FT	21400
WTR YR	2006	TOTAL	16985.5	MEAN	46.5	MAX	187	MIN	0	AC-FT	33690

MAX DISCH: 192 CFS AT 23:15 ON May. 24, 2006 GH 2.65 FT. SHIFT 0 FT.
MAX GH: 2.65 FT. AT 23:15 ON May. 24, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BOULDER CREEK FEEDER CANAL NEAR LYONS CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

ST. VRAIN SUPPLY CANAL NEAR LYONS, CO

LOCATION.--Lat 40°13'05", long 105°15'35", NE¼NW¼ sec. 20, T.3 N., R.70 W., Boulder County.

DRAINAGE AREA.--N/A

GAGE.--An A-35 Stevens's recorder in a 36-inch galvanized CMP shelter at a 15 foot Parshall Flume. The primary reference is an electric drop tape in the shelter with supplemental outside staff gage. The gage has a Sutron High Data Rate data collection platform (DCP) with a digital shaft encoder. The station is maintained by Northern Colorado Water Conservancy District (NCWCD) personnel.

REMARKS.--The primary record is hourly DCP data with chart backup. The record is complete and reliable, except for: Zero flow on October 31 (2200-2300hrs), and November 1, 2005 (0000-1200 hrs) presumed to be residual water in the stilling well. Gage-heights below 0.10 feet are assumed unreliable. Therefore flows with gage-height below 0.10 feet are set to zero. The shaft encoder was adjusted by NCWCD personnel on November 1, 2005 at 1200hrs. The canal was in use from October 1, 2005 to October 31, 2005 and April 10, 2006 through the end of the water year. The DCP and graphical chart recorder were disabled when the canal is not in use. The DCP was disabled on November 22, 2005 and reactivated on April 5, 2006. The record is good. Station maintained by NCWCD and record developed by Russell Stroud.

RATING TABLE.--SVSLYOCO05 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

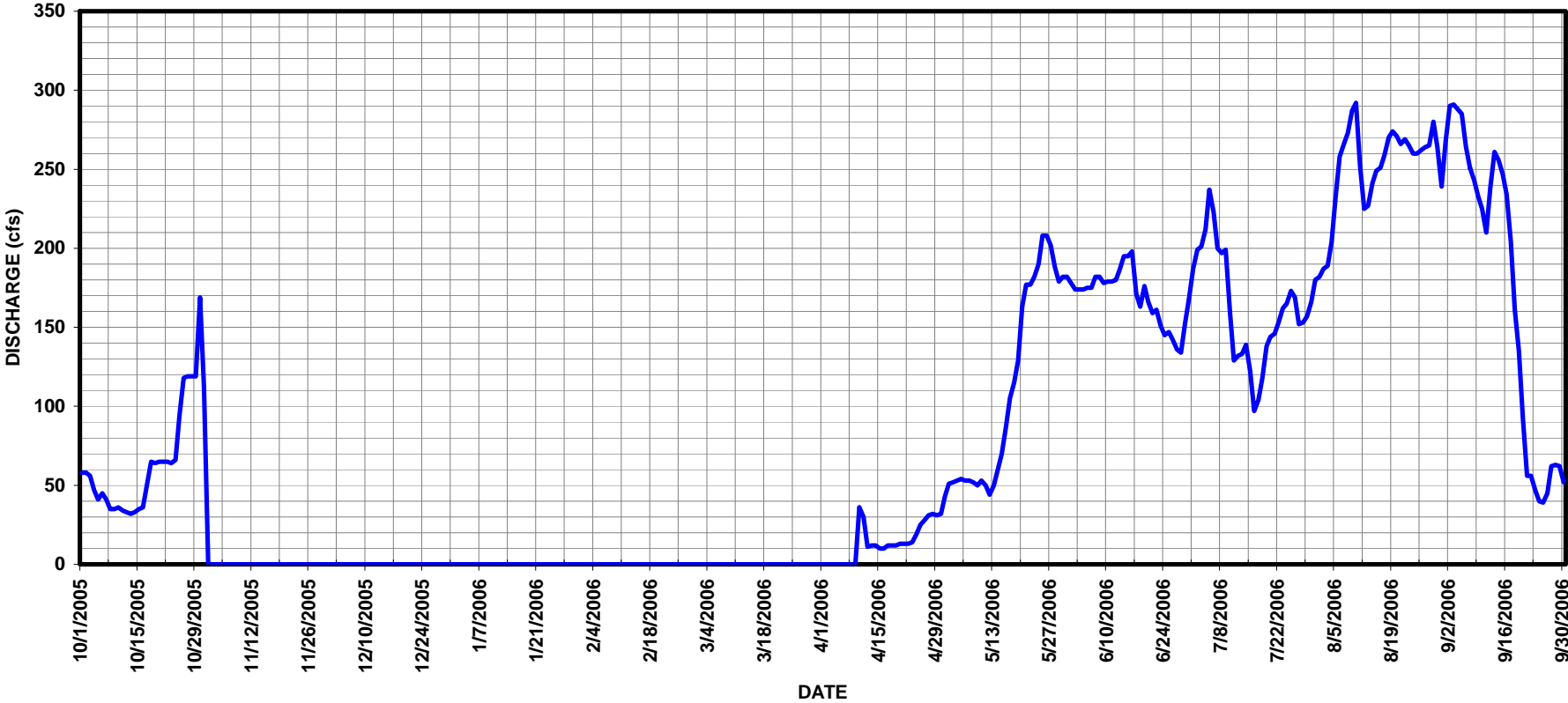
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	0	0	0	0	0	0	43	178	187	182	267
2	58	0	0	0	0	0	0	51	174	199	187	290
3	56	0	0	0	0	0	0	52	174	201	189	291
4	47	0	0	0	0	0	0	53	174	212	204	288
5	41	0	0	0	0	0	0	54	175	237	233	285
6	45	0	0	0	0	0	0	53	175	223	258	264
7	41	0	0	0	0	0	0	53	182	200	266	251
8	35	0	0	0	0	0	0	52	182	197	273	243
9	35	0	0	0	0	0	0	50	178	199	287	233
10	36	0	0	0	0	0	36	53	179	160	292	225
11	34	0	0	0	0	0	30	50	179	129	253	210
12	33	0	0	0	0	0	11	44	180	132	225	238
13	32	0	0	0	0	0	12	50	187	133	227	261
14	33	0	0	0	0	0	12	60	195	139	241	256
15	35	0	0	0	0	0	10	70	195	122	249	247
16	36	0	0	0	0	0	10	87	198	97	251	234
17	51	0	0	0	0	0	12	105	171	104	259	204
18	65	0	0	0	0	0	12	115	163	118	270	161
19	64	0	0	0	0	0	12	129	176	138	274	135
20	65	0	0	0	0	0	13	163	166	144	271	93
21	65	0	0	0	0	0	13	177	159	146	266	56
22	65	0	0	0	0	0	13	177	161	153	269	56
23	64	0	0	0	0	0	14	182	151	162	265	47
24	66	0	0	0	0	0	19	190	145	165	260	40
25	94	0	0	0	0	0	25	208	147	173	260	39
26	118	0	0	0	0	0	28	208	142	169	262	45
27	119	0	0	0	0	0	31	202	136	152	264	62
28	119	0	0	0	0	0	32	188	134	153	265	63
29	119	0	0	0	---	0	31	179	152	157	280	62
30	169	0	0	0	---	0	32	182	169	166	264	52
31	112	---	0	0	---	0	---	182	---	180	239	---
TOTAL	2010	0	0	0	0	0	408	3462	5077	5047	7785	5198
MEAN	65.0	0	0	0	0	0	14.0	112	169	163	251	173
AC-FT	3990	0	0	0	0	0	809	6870	10070	10010	15440	10310
MAX	169	0	0	0	0	0	36	208	198	237	292	291
MIN	32	0	0	0	0	0	0	43	134	97	182	39
CAL YR	2005	TOTAL	18462	MEAN	50.6	MAX	263	MIN	0	AC-FT	36620	
WTR YR	2006	TOTAL	28987	MEAN	79.4	MAX	292	MIN	0	AC-FT	57500	

MAX DISCH: 295 CFS AT 10:15 ON Aug. 9, 2006 GH 2.66 FT. SHIFT 0 FT.

MAX GH: 2.66 FT. AT 10:15 ON Aug. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ST. VRAIN SUPPLY CANAL NEAR LYONS CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD, CO

LOCATION.--Lat 40°15'29", long 105°12'21", SW¼NW¼ sec. 2, T. 3 N., 70 W., Boulder County, on the left bank, at the mouth of the Canyon, 1800 ft. upstream from the Culver Ditch Diversion and 8.5 mi. southwest of Berthoud, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--100 mi²; 1962-1969, 1993 to present.

GAGE.--Graphic water stage recorder with satellite monitoring in a 42" metal well. The drop tape is the primary reference. The DCP is the primary record.

REMARKS.--The hourly satellite record is the primary record with chart as back up. Chart record has been found to be unreliable due to clock issues which were not addressed during the water year. Intermittent transmission failures occurred throughout October, November, March, and April. Data for these periods were taken from the chart record when available (October and November) and from adjacent good data when chart record was deemed unreliable or un-scalable (March and April). The station was closed for winter from November 15, 2005 through March 16, 2006. The record is fair due to insufficient documentation, visits, and measurements. The record is fair to poor March 16, 17, 28-31 and April 1-3, 2006 when the DCP suffered transmission failures and the chart backup was deemed unreliable; the record is poor from October 1 to October 29, 2005, June 9 to July 10, 2006, August 24, 2006, and September 14, 15, 2006 where daily discharge values were below the measured range. This gage is a partial year station that is closed in the winter months. Station maintained and record developed by Div. 1 Hydrographic Staff.

RATING TABLE.--LTCANYCO12 USED FROM 01-OCT-2005 TO 30-SEP-2006

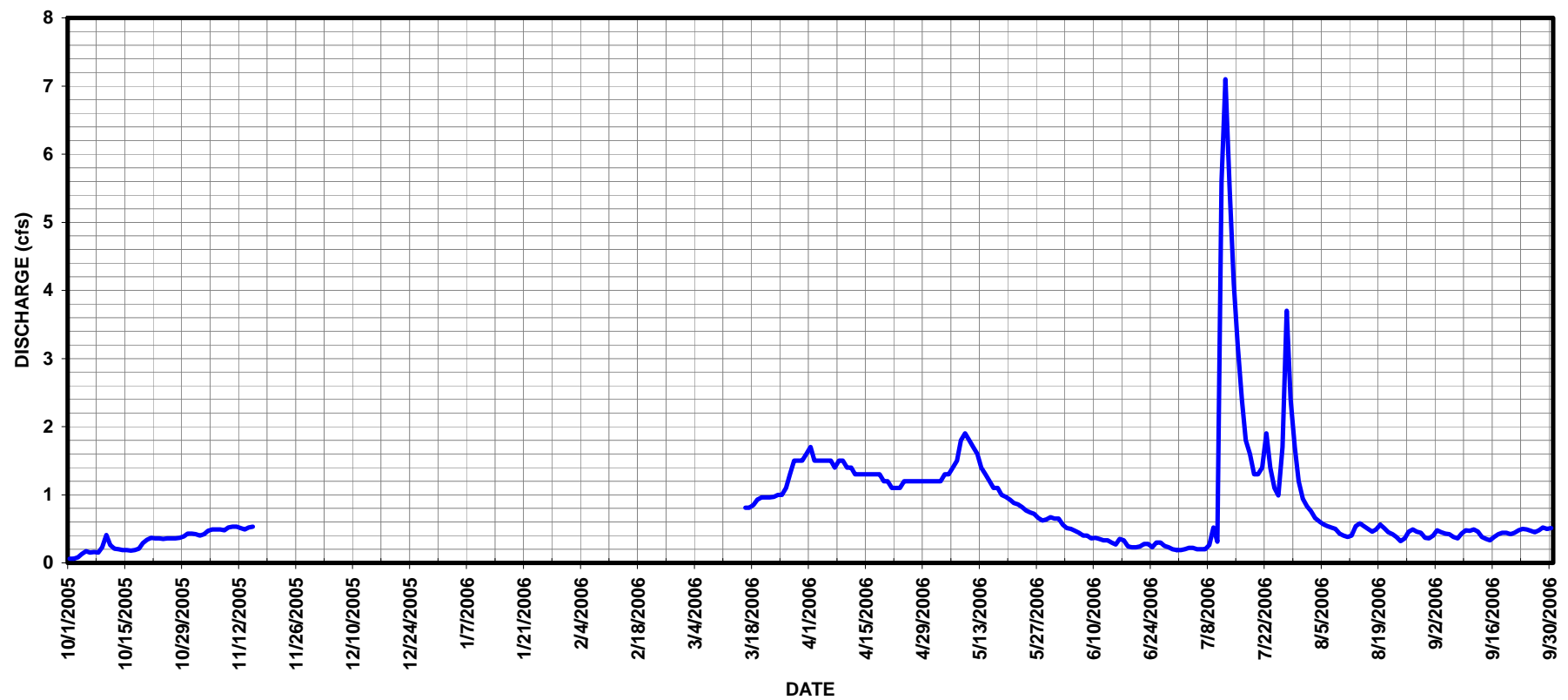
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	.42	---	---	---	---	1.7	1.2	.65	.19	.83	.40
2	.06	.40	---	---	---	---	1.5	1.2	.56	.20	.76	.48
3	.08	.42	---	---	---	---	1.5	1.2	.51	.22	.66	.45
4	.13	.47	---	---	---	---	1.5	1.3	.50	.22	.61	.43
5	.17	.49	---	---	---	---	1.5	1.3	.47	.20	.57	.42
6	.15	.49	---	---	---	---	1.5	1.4	.44	.20	.54	.38
7	.16	.49	---	---	---	---	1.4	1.5	.40	.20	.52	.36
8	.15	.48	---	---	---	---	1.5	1.8	.40	.26	.50	.43
9	.23	.52	---	---	---	---	1.5	1.9	.36	.52	.43	.48
10	.41	.53	---	---	---	---	1.4	1.8	.37	.31	.40	.47
11	.26	.53	---	---	---	---	1.4	1.7	.35	5.6	.38	.49
12	.21	.51	---	---	---	---	1.3	1.6	.33	7.1	.40	.46
13	.20	.49	---	---	---	---	1.3	1.4	.33	5.5	.54	.38
14	.19	.52	---	---	---	---	1.3	1.3	.30	4.1	.58	.35
15	.19	.53	---	---	---	---	1.3	1.2	.27	3.2	.54	.33
16	.18	---	---	---	---	.81	1.3	1.1	.35	2.4	.50	.38
17	.19	---	---	---	---	.81	1.3	1.1	.33	1.8	.46	.42
18	.21	---	---	---	---	.85	1.3	1.0	.24	1.6	.49	.44
19	.29	---	---	---	---	.93	1.2	.97	.23	1.3	.56	.44
20	.34	---	---	---	---	.96	1.2	.93	.23	1.3	.51	.42
21	.37	---	---	---	---	.96	1.1	.88	.24	1.4	.45	.44
22	.36	---	---	---	---	.96	1.1	.86	.28	1.9	.42	.48
23	.36	---	---	---	---	.97	1.1	.82	.28	1.4	.38	.50
24	.35	---	---	---	---	1.0	1.2	.77	.23	1.1	.32	.49
25	.36	---	---	---	---	1.0	1.2	.74	.30	.99	.36	.47
26	.36	---	---	---	---	1.1	1.2	.72	.30	1.7	.46	.45
27	.36	---	---	---	---	1.3	1.2	.66	.25	3.7	.49	.48
28	.37	---	---	---	---	1.5	1.2	.62	.23	2.4	.46	.52
29	.39	---	---	---	---	1.5	1.2	.64	.20	1.7	.44	.50
30	.43	---	---	---	---	1.5	1.2	.67	.19	1.2	.37	.51
31	.43	---	---	---	---	1.6	---	.65	---	.94	.36	---
TOTAL	8.00	7.29	---	---	---	17.75	39.6	34.93	10.12	54.85	15.29	13.25
MEAN	.26	.49	---	---	---	1.11	1.32	1.13	.34	1.77	.49	.44
AC-FT	16	14	---	---	---	35	79	69	20	109	30	26
MAX	.43	.53	---	---	---	1.6	1.7	1.9	.65	7.1	.83	.52
MIN	.06	.40	---	---	---	.81	1.1	.62	.19	.19	.32	.33
CAL YR	2005	TOTAL	3270.49	MEAN	10.7	MAX	150	MIN	.06	AC-FT	6487 (PARTIAL YEAR RECORD)	
WTR YR	2006	TOTAL	201.08	MEAN	.82	MAX	7.1	MIN	.06	AC-FT	399 (PARTIAL YEAR RECORD)	

MAX DISCH: 8.30 CFS AT 08:45 ON Jul. 12, 2006 GH 2.65 FT. SHIFT 0 FT.
MAX GH: 2.65 FT. AT 08:45 ON Jul. 12, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE, CO

LOCATION.--Lat 40°21'00", long 104°47'04", in SW1/4, SE1/4, Sec. 33, T.5N., R.66 W., Weld County, CO, on left bank just southeast of gage on Evans Town Ditch, 0.7 miles upstream from bridge on WCR 396, 1.6 miles upstream from mouth and 4 miles West of LaSalle, CO.

DRAINAGE AREA AND PERIOD OF RECORD.--828 mi²; 1951 to present.

GAGE.--8210 data collection platform and a graphic recorder as backup, in wooden shelter with galvanized well section. The drop tape is the primary reference with a supplemental outside chain gage.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. Daily maximum and minimum stages for the satellite record did agree within +/- 0.02 of the chart. The record is complete, reliable and good except for the following days which are estimated and poor due to ice affect: December 7-9, 15-19, 2005; and February 11, 18-21, 2006. Station maintained by Div. 1 Hydrographic Staff and record developed by Lee Cunning.

RATING TABLE.--BIGLASCO25 USED FROM 01-OCT-2005 TO 30-SEP-2006

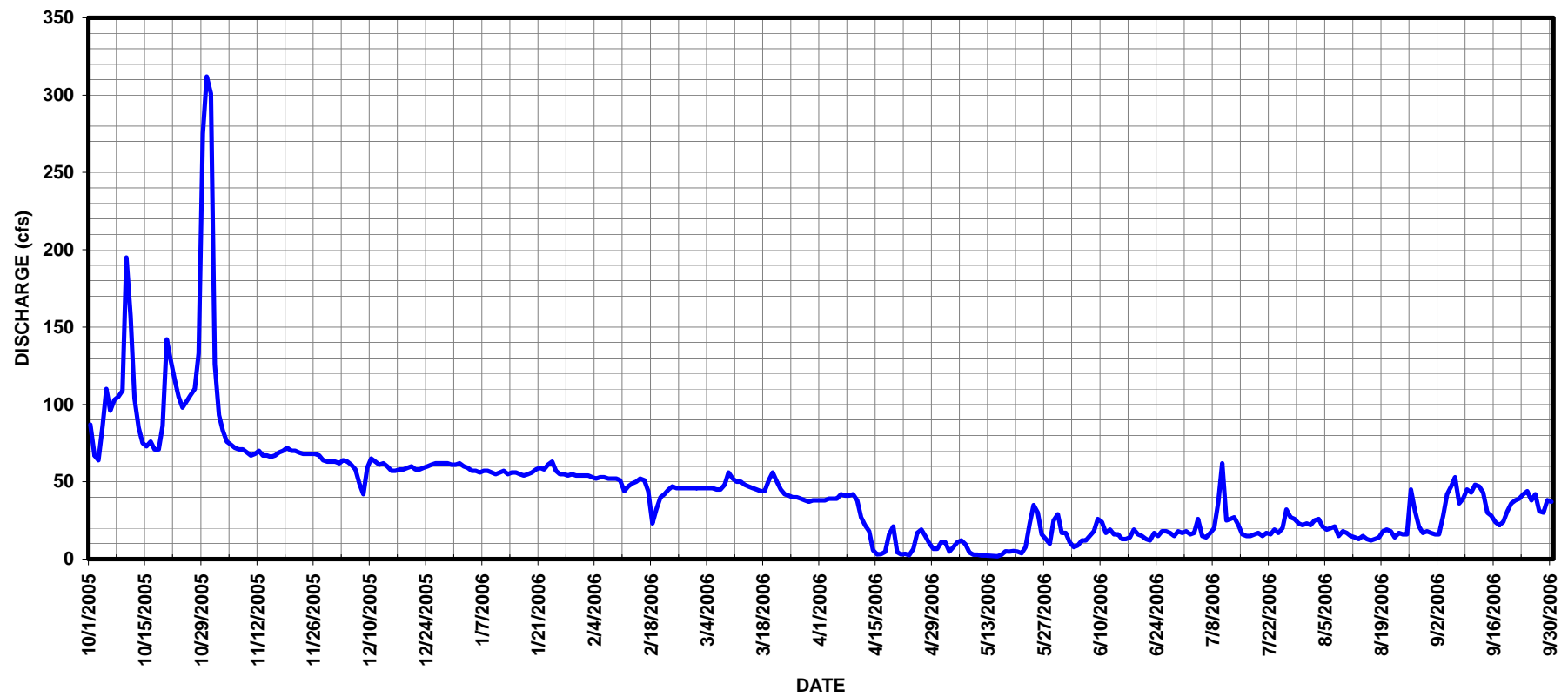
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	126	63	62	54	46	38	11	17	18	22	16
2	67	93	62	60	54	46	38	11	11	16	25	16
3	64	83	64	59	53	46	39	4.8	7.7	17	26	28
4	86	76	63	57	52	46	39	7.8	8.8	26	21	42
5	110	74	61	57	53	46	39	11	12	15	19	47
6	96	72	58	56	53	45	42	12	12	14	20	53
7	103	71	49	57	52	45	41	9.6	15	17	21	36
8	105	71	42	57	52	48	41	4.4	18	20	15	39
9	109	69	59	56	52	56	42	2.9	26	37	18	45
10	195	67	65	55	51	52	38	2.8	24	62	17	43
11	157	68	63	56	44	50	27	2.3	17	25	15	48
12	104	70	61	57	47	50	22	2.4	19	26	14	47
13	85	67	62	55	49	48	18	2.1	16	27	13	43
14	75	67	60	56	50	47	5.7	1.9	16	22	15	30
15	73	66	57	56	52	46	3.1	1.8	13	16	13	28
16	76	67	57	55	51	45	3.3	2.9	13	15	12	24
17	71	69	58	54	44	44	4.6	5.0	14	15	13	22
18	71	70	58	55	23	44	16	4.9	19	16	14	24
19	86	72	59	56	32	51	21	5.3	16	17	18	31
20	142	70	60	58	40	56	4.5	4.8	15	15	19	36
21	129	70	58	59	42	50	3.0	3.8	13	17	18	38
22	116	69	58	58	45	45	3.4	7.7	12	16	14	39
23	105	68	59	61	47	42	2.5	23	17	19	17	42
24	98	68	60	63	46	41	6.5	35	15	17	16	44
25	102	68	61	57	46	40	17	30	18	20	16	38
26	106	68	62	55	46	40	19	16	18	32	45	42
27	110	67	62	55	46	39	15	13	17	27	31	31
28	133	64	62	54	46	38	10	9.9	15	26	21	30
29	275	63	62	55	---	37	6.7	25	18	23	17	38
30	312	63	61	54	---	38	6.6	29	17	22	18	37
31	301	---	61	54	---	38	---	17	---	23	17	---
TOTAL	3749	2156	1847	1759	1322	1405	611.9	320.1	469.5	678	580	1077
MEAN	121	71.9	59.6	56.7	47.2	45.3	20.4	10.3	15.6	21.9	18.7	35.9
AC-FT	7440	4280	3660	3490	2620	2790	1210	635	931	1340	1150	2140
MAX	312	126	65	63	54	56	42	35	26	62	45	53
MIN	64	63	42	54	23	37	2.5	1.8	7.7	14	12	16
CAL YR 2005	TOTAL	29385.0	MEAN	80.5	MAX	819	MIN	18.0	AC-FT	58290		
WTR YR 2006	TOTAL	15974.5	MEAN	43.8	MAX	312	MIN	1.8	AC-FT	31690		

MAX DISCH: 318 CFS AT 05:45 ON Oct. 30, 2005 GH 2.62 FT. SHIFT -0.07 FT. EQUIPMENT CORRECTION +0.01 FT.
MAX GH: 2.62 FT. AT 05:45 ON Oct. 30, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06744000 BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06752000 CACHE LA POUFRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS, CO

LOCATION.--Lat 40°39'52", long 105°13'26", in NW¼ sec. 15, T.8 N., R.70 W., Larimer County, Hydrologic Unit 10190007, on left bank at mouth of canyon, 0.5 mi downstream from headgate of Poudre Valley Canal, 1.2 mi upstream from Lewistone Creek, and 9.3 mi northwest of courthouse in Fort Collins.

DRAINAGE AREA AND PERIOD OF RECORD.--1,056 mi². Sporadic and somewhat unreliable data from June 1881 to Aug. 1883. Reliable data from Oct. 1883 to current year. Periodic water-quality data from 1962 to 1995.

GAGE.--Stevens F-type water stage recorder and satellite monitoring (Satlink logger with speech card) in a concrete shelter and stilling well. There is a supplemental chain gage.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart as back up. The record is complete and reliable and good, except for the periods: The record is good, except for the following periods when the record was estimated and considered poor: November 28, 2005 to March 6, 2006 when the station was closed for winter; and November 18, 27, 2005 are considered fair due to ice affected stage-discharge relationship. Satellite mean gage heights checked with chart values to within ± .02 ft. Station maintained George Sievers and Lee Cuning and record developed by Lee Cuning.

RATING TABLE.--CLAFTCC011 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

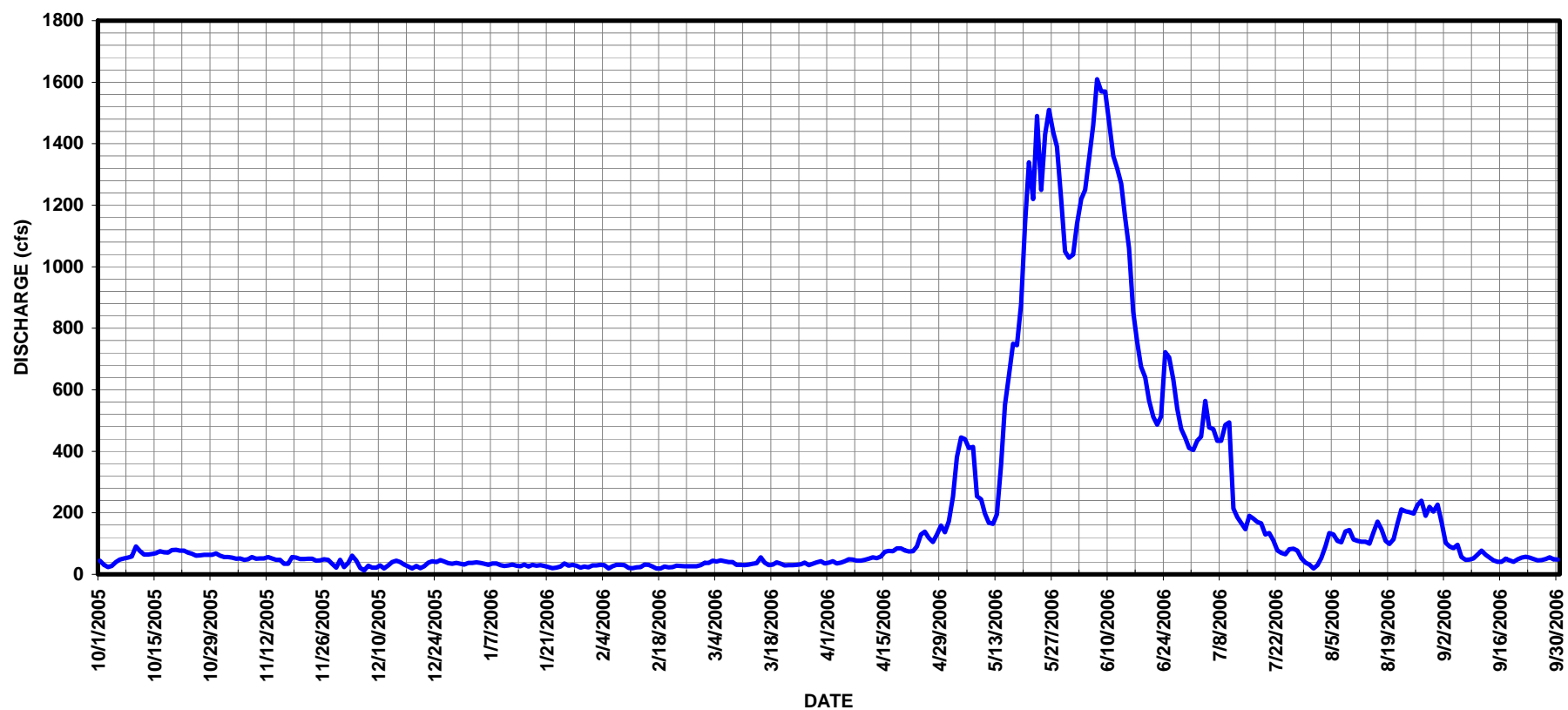
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	56	24	37	29	37	38	172	1040	404	30	170
2	31	56	37	37	29	37	43	253	1140	434	53	102
3	24	54	61	39	31	44	35	381	1220	448	91	91
4	27	51	44	37	30	42	38	445	1250	564	134	85
5	40	52	21	34	19	45	43	440	1350	478	130	96
6	48	47	13	31	26	43	49	411	1460	472	109	56
7	52	49	28	35	31	40	48	414	1610	434	104	47
8	54	56	22	35	31	40	44	254	1570	434	140	48
9	58	51	22	30	30	31	44	244	1570	486	144	52
10	91	52	29	27	21	31	47	198	1470	494	113	64
11	76	52	19	29	20	30	51	168	1360	214	109	77
12	64	56	29	32	23	32	55	164	1320	186	106	63
13	64	52	40	28	24	34	53	195	1270	167	106	54
14	66	47	44	26	32	36	58	356	1160	147	100	45
15	69	47	40	32	31	55	73	551	1060	190	138	41
16	75	34	32	25	25	38	76	645	854	181	171	41
17	72	34	25	31	19	30	75	750	757	170	147	51
18	71	56	19	28	19	32	84	745	675	166	109	45
19	79	54	27	30	25	39	84	880	641	130	99	41
20	80	50	20	27	23	34	78	1140	565	134	114	49
21	77	50	26	24	24	29	74	1340	512	110	165	54
22	77	51	38	20	28	30	75	1220	487	78	211	57
23	71	51	43	22	27	30	91	1490	513	70	205	54
24	67	44	40	25	26	31	130	1250	722	65	202	50
25	61	45	46	35	26	33	139	1430	705	82	198	45
26	62	49	42	28	26	38	119	1510	633	83	226	46
27	63	47	36	31	26	30	105	1440	538	77	239	50
28	63	34	34	28	30	34	129	1390	473	53	190	55
29	63	22	37	22	---	39	159	1220	443	38	219	49
30	68	47	34	25	---	43	137	1050	411	32	204	48
31	61	---	32	23	---	35	---	1030	---	19	227	---
TOTAL	1918	1446	1004	913	731	1122	2274	23176	28779	7040	4533	1826
MEAN	62	48	32	30	26	36	76	748	959	227	146	61
AC-FT	3800	2870	1990	1810	1450	2230	4510	45970	57080	13960	8990	3620
MAX	91	56	61	39	32	55	159	1510	1610	564	239	170
MIN	24	22	13	20	19	29	35	164	411	19	30	41

CAL YR	2005	TOTAL	104889	MEAN	287	MAX	2010	MIN	13	AC-FT	208047
WTR YR	2006	TOTAL	74762	MEAN	205	MAX	1610	MIN	13	AC-FT	148300

MAX DISCH: 1800 CFS AT 10:15 ON May. 23, 2006 GH 4.63 FT. SHIFT -0.16 FT.
MAX GH: 4.63 FT. AT 10:15 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06752000 CACHE LA POUDRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06752500 CACHE LA POUDE RIVER NEAR GREELEY, CO

LOCATION.--Lat 40°25'04", long 104°39'22", in NW¼ sec. 11, T.5 N., R.65 W., Weld County, Hydrologic Unit 10190007, on right bank 15 ft. downstream from highway bridge, 2.9 mi east of courthouse in Greeley, and 3.0 mi upstream from mouth.

DRAINAGE AREA.--1,877 mi².

GAGE.--Stevens A-35 water stage recorder and satellite monitoring DCP with shaft encoder in a 48-inch metal shelter and well. The outside gage is a wire weight on the bridge above the station, and some distance from the inlets. Elevation of gage is 4,610 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Primary record is taken from the hourly satellite gage readings. Record is complete and reliable, except for January 17-18 (5 missing hours). The record is fair because of the condition of the channel. Station maintained George Sievers and Lee Cuning and record developed by Lee Cuning.

RATING TABLE.--CLAGRECO26 USED FROM 01-OCT-2005 TO 30-SEP-2006

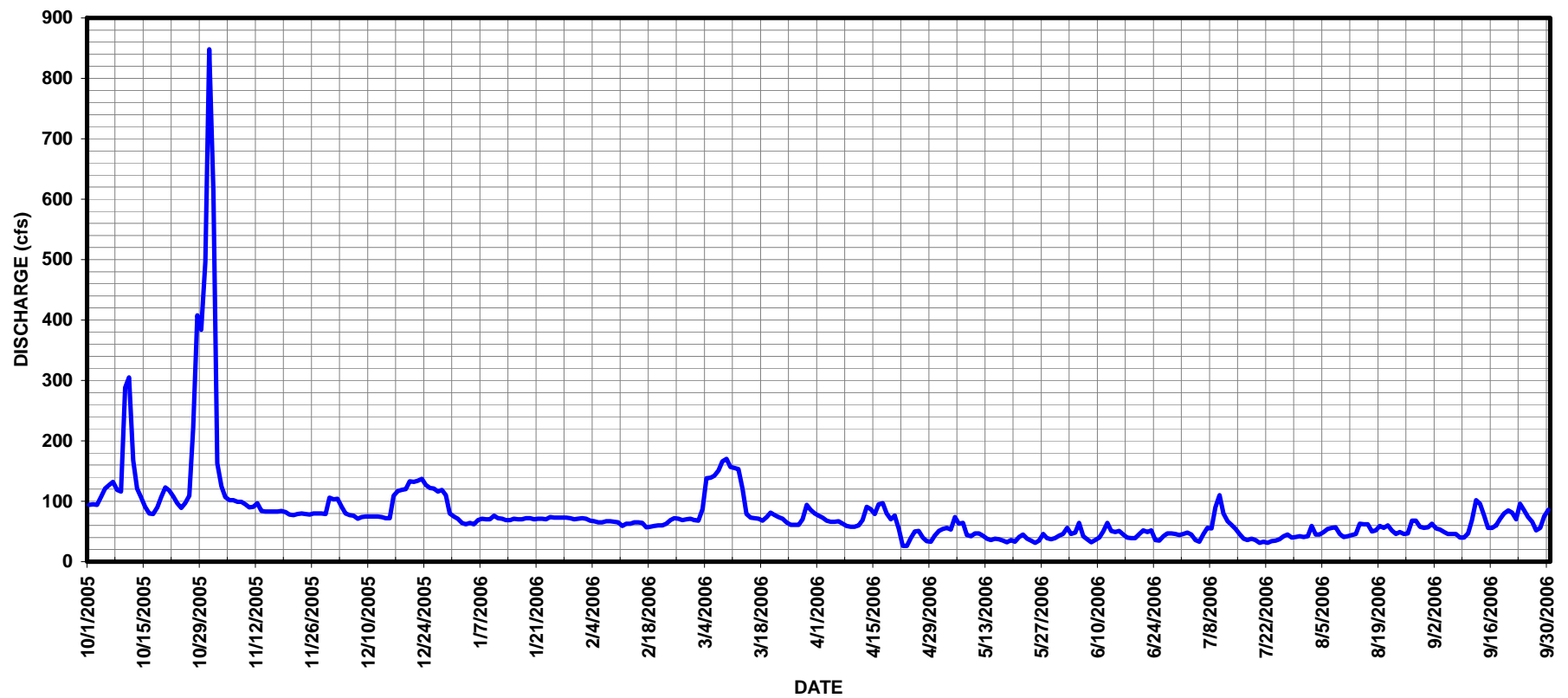
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	613	103	71	72	69	76	51	46	46	42	63
2	95	163	104	64	71	68	73	54	56	48	59	55
3	94	125	91	62	68	87	68	56	46	45	45	53
4	108	107	80	64	67	138	66	53	48	36	45	49
5	121	102	77	62	65	139	66	74	64	33	49	46
6	127	102	76	69	65	142	67	63	42	46	54	46
7	132	99	71	71	67	151	63	64	37	56	56	46
8	119	99	74	70	67	166	59	44	32	55	57	40
9	116	95	75	70	66	170	58	42	36	90	46	40
10	288	90	75	76	65	157	58	47	40	110	41	47
11	305	91	75	72	59	155	60	47	50	80	42	69
12	168	97	75	71	63	153	69	43	64	67	44	102
13	121	84	74	69	63	120	91	38	51	61	46	96
14	106	83	72	69	65	79	87	36	49	54	63	76
15	91	83	72	71	65	73	79	38	51	46	62	56
16	80	83	109	70	64	72	95	37	45	38	62	56
17	79	83	117	70	57	71	97	35	40	36	50	60
18	90	84	119	72	58	68	80	32	39	38	52	71
19	107	82	120	72	59	74	70	36	39	36	59	80
20	123	78	133	70	60	81	76	33	46	31	56	85
21	118	77	132	71	60	77	54	41	52	33	60	81
22	108	79	134	71	63	74	26	45	49	31	52	70
23	97	80	137	70	69	71	26	38	52	34	46	96
24	89	79	127	74	72	65	39	35	36	35	49	85
25	97	78	122	73	71	61	50	31	35	37	46	74
26	109	80	121	73	69	61	51	35	42	42	47	66
27	221	80	116	73	70	61	40	46	47	45	68	52
28	408	80	119	73	71	70	34	39	47	40	68	56
29	384	79	110	72	---	94	33	37	46	41	58	75
30	497	106	80	70	---	86	43	39	44	42	56	86
31	848	---	75	71	---	80	---	43	---	41	57	---
TOTAL	5540	3261	3065	2176	1831	3033	1854	1352	1371	1473	1637	1977
MEAN	179	109	98.9	70.2	65.4	97.8	61.8	43.6	45.7	47.5	52.8	65.9
AC-FT	10990	6470	6080	4320	3630	6020	3680	2680	2720	2920	3250	3920
MAX	848	613	137	76	72	170	97	74	64	110	68	102
MIN	79	77	71	62	57	61	26	31	32	31	41	40
CAL YR 2005	TOTAL	42705	MEAN	117.0	MAX	1560	MIN	15	AC-FT	84710		
WTR YR 2006	TOTAL	28570	MEAN	78.3	MAX	848	MIN	26	AC-FT	56670		

MAX DISCH: 972 CFS AT 03:00 ON Nov. 1, 2005 GH 5.67 FT. SHIFT -1.12 FT.
MAX GH: 5.67 FT. AT 03:00 ON Nov. 1, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06752500 CACHE LA POUDRE RIVER NEAR GREELEY CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06754000 SOUTH PLATTE RIVER NEAR KERSEY, CO

LOCATION.--Lat 40°24'44", long 104°33'46", in NW¼SW¼ sec. 9, T.5 N., R.64 W., Weld County, Hydrologic Unit 10190003, on downstream side of bridge on State Highway 37, 1.9 mi north of railroad in Kersey, and 2.5 mi downstream from Cache la Poudre River.

DRAINAGE AREA AND PERIOD OF RECORD.--9,659 mi². May 1901 to Dec. 1903, Mar. 1905 to current year. Monthly totals only for some periods. Periodic water-quality data available from 1950.

GAGE.--Graphic water-stage recorder and shaft encoder (SE) activated by a manometer and satellite monitoring DCP in a concrete block shelter. In May 2006, a supplemental Sutron Accububble, orifice line and muffler were installed directly in the channel and not connected to the bridge piers. An outside wire weight is used for referencing the gage. A land-line phone is installed and the DCP is equipped with a voice modem card. The datum of the gage is 4578.02 ft MSL (NAVD 1988) established by level circuit in 2005.

REMARKS.--The primary record is hourly data taken from the manometer. The chart and SE provide duplicate sources for this data. The chart is used to provide data if the SE appears to be not tracking with the manometer, or if satellite transmissions are missed. The chart is also used in record development to check for errors generated in satellite data transmission and collection. Record is complete and reliable, and is rated good, except as listed below, since the low flows and lack of storm peaks helped the manometer operation and channel stability. Discharge was considered fair for the following: December 8, 2005; February 18, 2006, due to cold weather problems with manometer; October 31-November 1, 2005, due to manometer painting; October 11 (including yearly instantaneous peak)-October 12, 2005 due to possible periods of poor manometer operation due to unsteady flows. Station maintained by George Sievers and Bob Cooper and record developed by Bob Cooper.

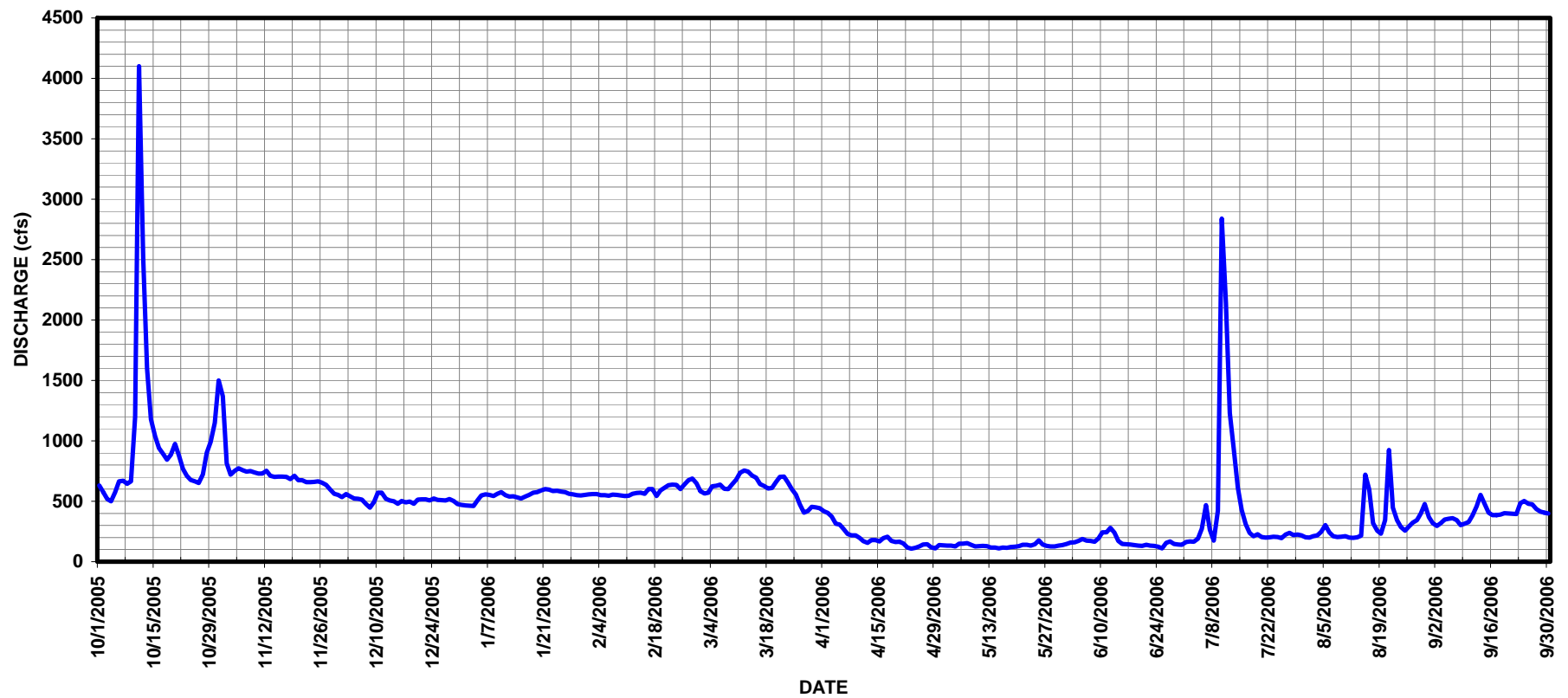
RATING TABLE.--PLAKERCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	630	1370	534	465	558	586	417	135	146	162	199	319
2	574	815	560	464	559	564	403	132	158	167	210	297
3	518	720	541	460	559	572	373	133	161	164	219	318
4	500	753	524	507	550	624	315	127	171	191	247	349
5	575	773	521	549	551	628	308	150	187	274	302	355
6	664	756	514	557	545	637	270	150	174	468	244	361
7	669	745	478	553	554	604	230	154	173	263	210	344
8	644	750	448	543	553	602	218	141	166	175	204	303
9	664	739	495	561	549	639	217	126	193	422	207	315
10	1200	730	570	575	543	678	197	128	242	2840	211	327
11	4100	729	570	550	546	737	170	130	242	2140	199	382
12	2520	753	520	538	563	755	155	128	280	1230	197	458
13	1600	711	506	542	568	745	179	117	241	938	201	552
14	1180	702	500	531	572	713	178	117	173	612	215	481
15	1040	704	479	524	562	695	167	110	147	426	720	406
16	940	705	503	538	601	643	194	117	145	309	598	385
17	893	702	491	552	602	626	206	115	143	238	319	385
18	844	684	498	571	543	605	172	121	137	212	256	389
19	886	710	480	576	589	609	162	123	133	226	231	402
20	975	674	514	589	613	660	165	128	130	205	344	399
21	883	675	515	602	632	702	151	139	140	199	925	397
22	768	659	517	596	638	704	116	140	134	201	448	395
23	711	658	507	585	635	656	108	134	130	207	343	484
24	676	660	524	588	600	602	114	145	124	205	287	503
25	665	665	512	580	641	555	127	177	111	195	258	479
26	651	654	510	576	674	474	142	142	156	224	292	474
27	723	636	506	562	688	405	144	131	168	239	324	436
28	902	598	518	558	648	420	120	126	146	220	343	416
29	990	562	502	551	---	454	110	127	142	225	400	406
30	1150	553	477	549	---	450	137	134	140	217	476	399
31	1500	---	470	552	---	443	---	138	---	202	370	---
TOTAL	31235	21545	15804	17044	16436	18787	5965	4115	4933	13996	9999	11916
MEAN	1008	718	510	550	587	606	199	133	164	451	323	397
AC-FT	61950	42730	31350	33810	32600	37260	11830	8160	9780	27760	19830	23640
MAX	4100	1370	570	602	688	755	417	177	280	2840	925	552
MIN	500	553	448	460	543	405	108	110	111	162	197	297

CAL YR 2005 TOTAL 299663 MEAN 821 MAX 8270 MIN 154 AC-FT 594400
WTR YR 2006 TOTAL 171775 MEAN 471 MAX 4100 MIN 108 AC-FT 340700
MAX DISCH: 4740 CFS AT 16:45 ON Oct. 11, 2005 GH 7.41 FT. SHIFT -0.09 FT.
MAX GH: 7.41 FT. AT 16:45 ON Oct. 11, 2005

06754000 SOUTH PLATTE RIVER NEAR KERSEY CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06758500 SOUTH PLATTE RIVER NEAR WELDONA, CO

LOCATION.--Lat 40°19'16", long 103°55'10", in SW¼SW¼ sec. 7, T.4 N., R.58 W., Morgan County, Hydrologic Unit 10190003, on left bank 875 ft downstream from bridge on State Highway 144, 2.8 mi southeast of Weldona, and 4.2 mi upstream from Bijou Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--13,190 mi². October 1952 to current year.

GAGE.--Graphic water-stage recorder and satellite monitoring equipment (Sutron SatLink Logger and shaft encoder) in a corrugated metal pipe and stilling well. An electric tape inside the station references the gage. There is no outside reference.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart back up. The recorder had time problems all year, but was still useable to fill in all the missing DCP hours. Hourly data is complete and reliable except for the following periods: the stage-discharge relationship was affected by ice on Feb. 18-22, 2006. All satellite data used agreed with the mean gage heights taken from the chart to within ±0.02 feet. Encoder calibration was supported by 70 visits to the gage. Corrections of + or - 0.01 ft were not applied to the record. For the entire year, only 2 datum corrections were large enough to apply to the record. The record is good, except for the ice period December 18-22, 2005, which is estimated and poor. Also, July 11 and 12, including the yearly instantaneous peak flow, should be considered fair due to a lack of confirming measurements made at this stage during this period. Station maintained by George Sievers and Bob Cooper and record developed by Bob Cooper.

RATING TABLE.--PLAWELC018 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

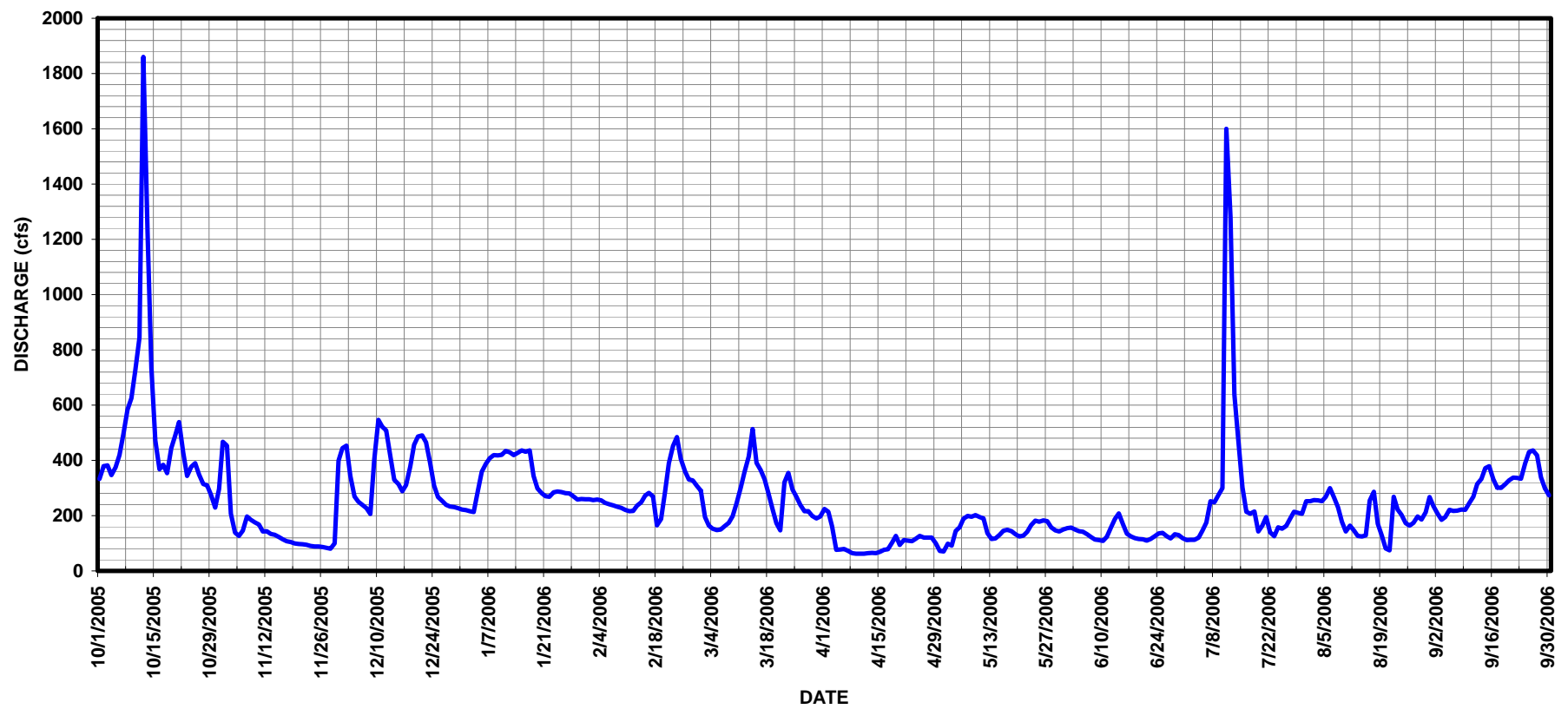
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	333	467	444	220	259	290	224	70	155	112	252	234
2	379	453	453	216	256	195	214	98	157	113	256	207
3	382	207	344	213	258	164	161	91	150	113	255	185
4	347	139	269	289	255	153	76	145	144	121	252	195
5	375	127	250	359	246	148	77	158	142	146	268	221
6	419	146	239	388	241	150	79	189	133	175	300	217
7	494	197	227	408	237	162	72	199	123	252	267	218
8	584	185	206	419	232	174	64	196	114	248	230	222
9	625	176	402	418	228	198	62	202	112	275	178	221
10	726	168	547	420	221	244	62	195	109	299	143	246
11	844	143	522	434	216	301	62	190	124	1600	164	268
12	1860	144	509	429	217	359	64	137	158	1280	147	315
13	1230	134	415	419	236	414	65	116	188	638	127	333
14	733	131	330	427	248	514	64	118	208	474	125	372
15	472	123	315	436	272	391	69	131	169	303	129	379
16	368	115	288	431	282	365	76	146	135	214	254	332
17	384	108	311	436	269	332	78	149	125	207	286	302
18	354	105	377	344	165	280	103	144	119	215	171	301
19	444	99	456	298	188	224	127	133	116	143	127	314
20	489	97	486	281	284	173	94	125	115	164	81	328
21	539	96	490	270	390	147	112	128	110	195	74	338
22	428	94	465	268	452	321	110	142	116	140	268	337
23	344	90	394	284	484	355	108	166	126	126	222	334
24	377	88	309	287	405	294	117	182	136	158	203	389
25	390	88	267	285	361	268	127	178	138	153	173	430
26	349	86	253	281	331	239	121	183	126	163	164	436
27	315	83	239	280	328	216	121	180	118	189	174	418
28	310	80	233	269	308	216	121	158	133	214	197	339
29	275	99	231	258	---	199	100	147	130	210	186	299
30	229	399	227	260	---	190	72	143	119	207	212	273
31	296	---	222	259	---	197	---	150	---	252	267	---
TOTAL	15694	4667	10720	10286	7869	7873	3002	4689	4048	9099	6152	9003
MEAN	506	156	346	332	281	254	100	151	135	294	198	300
AC-FT	31130	9260	21260	20400	15610	15620	5950	9300	8030	18050	12200	17860
MAX	1860	467	547	436	484	514	224	202	208	1600	300	436
MIN	229	80	206	213	165	147	62	70	109	112	74	185

CAL YR	2005	TOTAL	167,390	MEAN	459	MAX	4880	MIN	68	AC-FT	332000
WTR YR	2006	TOTAL	93102	MEAN	255	MAX	1860	MIN	62	AC-FT	184700

MAX DISCH: 2120 CFS AT 15:45 ON Jul. 11, 2006 GH 4.7 FT. SHIFT 0.03 FT.
MAX GH: 4.7 FT. AT 15:45 ON Jul. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06758500 SOUTH PLATTE RIVER NEAR WELDONA CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06759910 SOUTH PLATTE RIVER AT BALZAC, CO

LOCATION.--Lat 40°21'23", long 103°31'39", in SW¼NE¼ sec. 33, T.5 N., R.55 W., Morgan County, Hydrologic Unit 10190012, on bank 4.3 mi northeast of Snyder, and .7 mi downstream from North Sterling Canal.

DRAINAGE AREA AND PERIOD OF RECORD.--16,623 mi²; Oct. 1916 to present, prior to Oct. 1933: monthly discharge only.

GAGE.--Stevens A-35 type graphic water stage recorder, satellite monitoring Sutron 8210 DCP and shaft encoder and stilling well. Gage is referenced with an electric tape and there is a supplemental outside wire weight. The DCP is equipped with a speech modem.

REMARKS.--The primary record is fifteen-minute data taken from satellite monitoring with chart back up. The record is complete, reliable, and good, except for days when the inlets were partially plugged, which were fair to poor. These days are October 10, 11, 18, 25, 26, 2005; February 19; April 9, 10, 19, 20; and July 21, 2006. Estimates were hugely assisted from water level data taken from a well next to the gage. Hourly level readings were recorded by a datalogger installed for a CWCB study, and these levels correlated closely to Gage Height during good record periods. We took the mean daily GH and well readings for October 1, 2005 and used these values to compute an offset to the well data that converted the well data to approximately the same datum as the gage. We plotted the well data on the chart whenever plugging was suspected and were able to estimate corrected GH readings very satisfactorily. Station maintained and record developed by Bob Cooper.

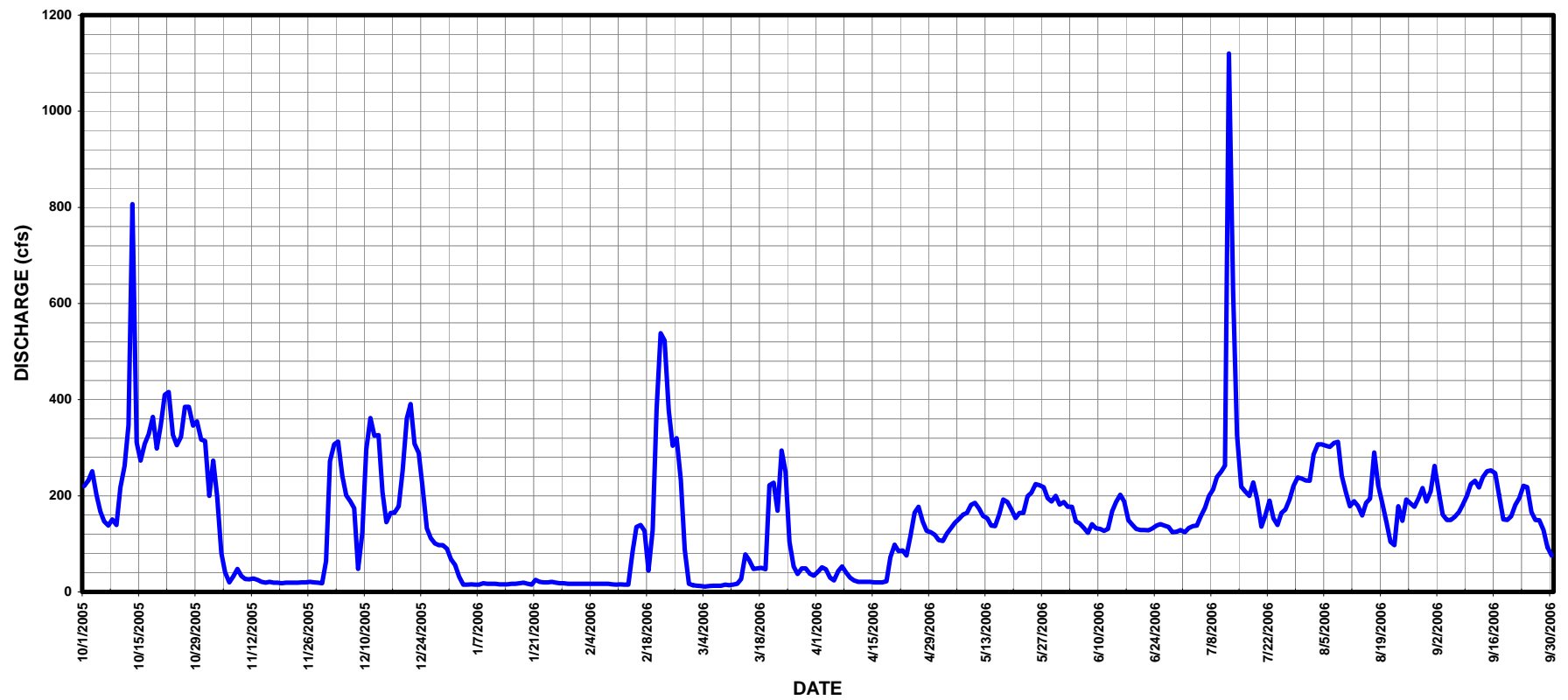
RATING TABLE.--PLALBACO3 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	220	200	272	56	17	14	42	108	187	124	231	262
2	232	273	307	32	17	13	51	106	177	133	286	208
3	251	199	313	15	17	12	47	121	177	137	307	161
4	202	81	242	15	17	11	30	133	147	138	307	150
5	167	41	201	16	17	12	24	144	142	157	304	150
6	147	20	189	15	17	13	43	152	133	175	302	156
7	138	32	174	15	17	13	53	161	123	199	310	166
8	151	48	48	18	17	13	40	164	141	213	312	181
9	139	33	123	17	16	15	30	181	132	239	242	200
10	217	27	296	17	15	14	24	185	131	250	207	224
11	262	26	362	17	16	15	21	173	127	263	178	231
12	347	28	325	16	15	17	21	158	131	1120	189	217
13	807	25	326	16	15	27	21	153	168	624	179	239
14	311	21	208	16	83	78	21	138	187	326	159	251
15	273	19	145	17	135	66	20	137	202	219	185	253
16	308	21	164	17	139	48	20	162	188	209	194	247
17	328	19	165	18	127	49	20	192	149	200	290	201
18	364	19	178	19	44	50	22	187	140	228	222	151
19	298	18	252	17	129	47	72	172	131	192	184	150
20	346	19	361	15	380	222	98	154	129	136	147	157
21	410	19	391	25	538	227	85	164	129	159	104	181
22	416	19	308	21	523	169	86	164	128	190	97	195
23	327	19	289	20	377	294	76	199	132	153	178	221
24	305	20	216	20	304	250	116	206	138	139	148	218
25	323	20	132	21	320	104	165	224	141	164	192	166
26	385	21	112	19	233	53	177	222	138	171	184	150
27	385	20	101	18	88	37	146	218	135	192	177	149
28	346	19	97	18	17	49	127	195	124	220	195	129
29	355	18	97	17	---	49	124	188	125	238	216	93
30	317	64	90	17	---	38	119	200	129	236	188	76
31	314	---	68	17	---	34	---	182	---	232	209	---
TOTAL	9391	1408	6552	597	3650	2053	1941	5243	4361	7376	6623	5533
MEAN	303	46.9	211	19.3	130	66.2	64.7	169	145	238	214	184
AC-FT	18630	2790	13000									
1180	7240	4070	3850	10400	8650	14630	13140	10970				
MAX	807	273	391	56	538	294	177	224	202	1120	312	262
MIN	138	18	48	15	15	11	20	106	123	124	97	76
CAL YR	2005	TOTAL	98690	MEAN	270	MAX	3490	MIN	11	AC-FT	195800	
WTR YR	2006	TOTAL	54728	MEAN	150	MAX	1120	MIN	11	AC-FT	108600	

MAX DISCH: 1540 CFS AT 10:30 ON Jul. 12, 2006 GH 4.67 FT. SHIFT -0.96 FT.
MAX GH: 4.67 FT. AT 10:30 ON Jul. 12, 2006

06759910 SOUTH PLATTE RIVER AT BALZAC CO
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, on right bank of channel No 2 (right channel) 5 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--23,821 mi². April 1902 to current year. Monthly data only for some periods. Published as near Julesburg and at Ovid in earlier years.

GAGE.--Satellite monitoring DCP connected to a Sutron Accubbler. A wire weight gage on the bridge is used to reference the bubbler. The accubbler is located on the bridge next to the shaft encoder in the bridge well. Datum of gage formerly 3,448.51 ft. MSL (NGVD 1929), 3449.50 ft MSL (NAVD 1988) confirmed by level circuit in 2005.

REMARKS.--The primary record is the hourly satellite monitoring data. The record is complete and reliable except for the following periods: June 13--July 5, 2006, no record but channel was dry. The GH was not representative of flow. The GH measured the depth of water ponded over the orifice, which varied with groundwater levels, ice conditions, channel vegetation, and ATV activity downstream from the bridge. Thirty-two observations of zero or near-zero flow were made during the year. Also, Colorado DWR personnel crossed the bridge daily during the summer and did not report any flow in Channel 2. It was commonly reported that there was a pond at the bridge from which minute amounts of flow leaked downstream. The record is good except for February 19-20, 2006, for which zero flow is considered an estimate. This record is added to the records from channels 1 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and Bob Cooper and record developed by Bob Cooper.

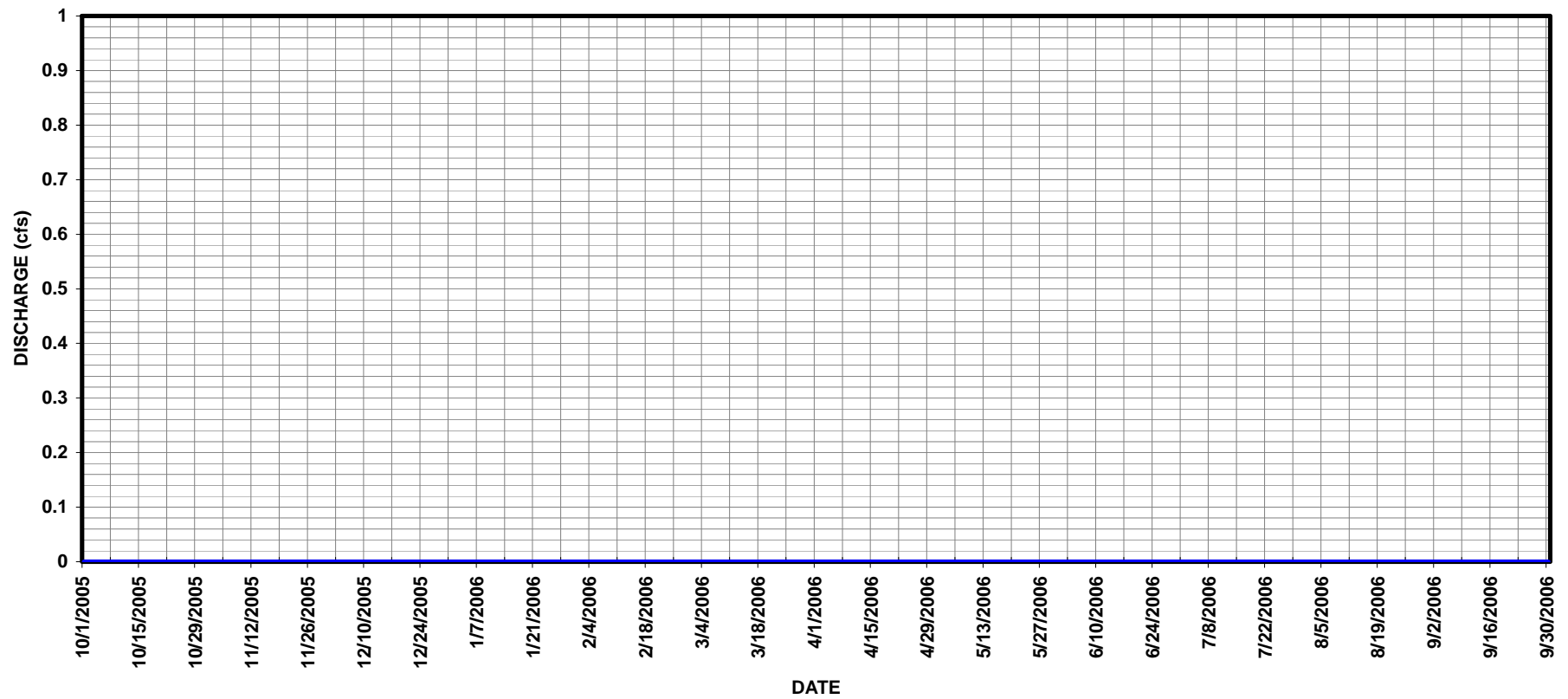
RATING TABLE.--PLAJURCO19 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2005 TOTAL 7587.74 MEAN 20.8 MAX 217 MIN 0 AC-FT 15050
WTR YR 2006 TOTAL 0 MEAN 0 MAX 0 MIN 0 AC-FT 0
MAX DISCH: 0 CFS AT All Year
MAX GH: 3.46 FT. AT 23:00 ON Feb. 19, 2006; Ice in orifice pool.

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 2
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06763990 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1

LOCATION.--Lat 40°58'37", long 102°14'52", in NE¼SE¼ sec. 33, T.12 N., R.44 W., on Highway 385 bridge south of Julesburg CO.

DRAINAGE AREA.--23,821 mi².

GAGE.--Satellite monitoring DCP (Sutron 8210) connected to an AccuBubbler. A wire weight gage on the bridge is used to reference the gage, with a supplemental staff located on the bridge pier closest to the shelter. A telephone & speech modem are installed so that the gage can be accessed by phone (970-474-0948). Datum of gage formerly 3,448.51 ft. MSL (NGVD 1929), 3449.50 ft MSL (NAVD 1988) confirmed by level circuit in 2005.

REMARKS.--The primary record is the hourly satellite monitoring data. The record is complete and reliable, except for the following periods: Nov. 15, 2005 and Aug. 29-Sep. 5, missing record; Nov. 28-30, Dec. 1-5, 6-9, 12-14, 15-20, 2005; Jan. 15, 23, Feb. 11-12, 16-24, Mar. 1-5, 2006: Ice affect. The bubbler's operation was good this year with 9 calibration corrections. The record is good, except for the following periods: November 15, December 1-5, 12-14, 2005; February 11, 12, 21, March 1-5, 21, 2006 have some degree of estimation and are rated fair; November 28-30, December 6-9, 15-20, 2005; February 16-20, August 29-31, September 1-5, 2006, are estimated and poor. This record is added to the records from channels 2 and 4 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and Bob Cooper and record developed by Bob Cooper.

RATING TABLE.--ONEJURCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

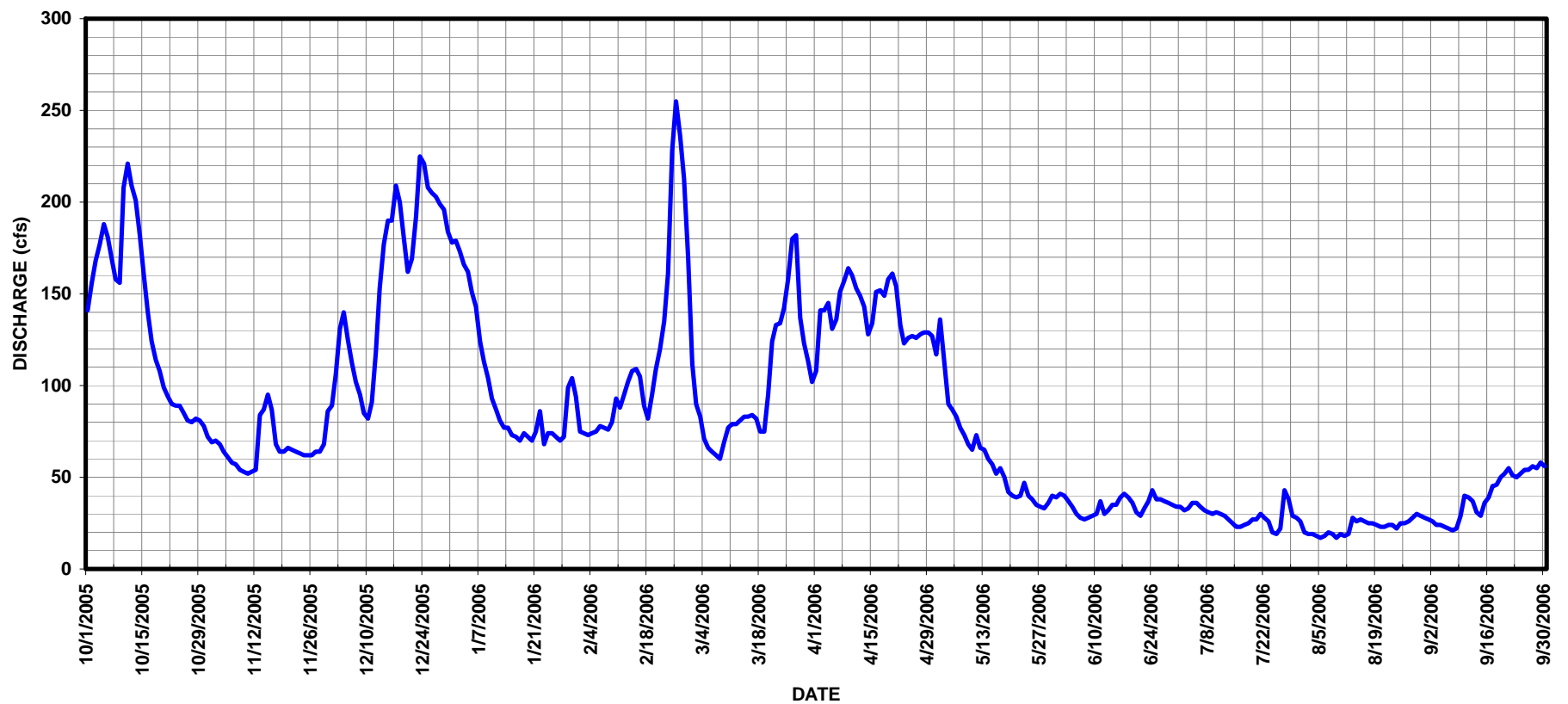
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	69	89	179	75	112	108	117	41	34	20	27
2	156	70	106	173	74	90	141	136	40	32	19	26
3	168	68	131	166	73	83	141	113	37	33	19	24
4	177	64	140	162	74	71	145	90	34	36	18	24
5	188	61	125	151	75	66	131	87	30	36	17	23
6	181	58	112	143	78	64	136	83	28	34	18	22
7	169	57	102	124	77	62	151	77	27	32	20	21
8	158	54	95	113	76	60	157	73	28	31	19	22
9	156	53	85	104	80	69	164	68	29	30	17	29
10	208	52	82	93	93	77	160	65	30	31	19	40
11	221	53	91	87	88	79	153	73	37	30	18	39
12	209	54	118	81	95	79	149	66	30	29	19	37
13	201	84	153	77	102	81	143	65	32	27	28	31
14	182	87	177	77	108	83	128	60	35	25	26	29
15	161	95	190	73	109	83	134	57	35	23	27	36
16	140	87	190	72	105	84	151	52	39	23	26	39
17	124	68	209	70	89	82	152	55	41	24	25	45
18	114	64	200	74	82	75	149	50	39	25	25	46
19	108	64	180	72	95	75	158	42	36	27	24	50
20	99	66	162	70	109	95	161	40	31	27	23	52
21	94	65	169	75	120	124	154	39	29	30	23	55
22	90	64	192	86	135	133	133	40	33	28	24	51
23	89	63	225	68	161	134	123	47	37	26	24	50
24	89	62	221	74	228	142	126	40	43	20	22	52
25	85	62	208	74	255	158	127	38	38	19	25	54
26	81	62	205	72	236	180	126	35	38	22	25	54
27	80	64	203	70	213	182	128	34	37	43	26	56
28	82	64	199	72	170	137	129	33	36	38	28	55
29	81	68	196	99	---	123	129	36	35	29	30	58
30	78	86	184	104	---	113	127	40	34	28	29	56
31	72	---	178	94	---	102	---	39	---	26	28	---
TOTAL	4182	1988	4917	3049	3275	3098	4214	1890	1039	898	711	1203
MEAN	135	66.3	159	98.4	117	99.9	140	61.0	34.6	29.0	22.9	40.1
AC-FT	8290	3940	9750	6050	6500	6140	8360	3750	2060	1780	1410	2390
MAX	221	95	225	179	255	182	164	136	43	43	30	58
MIN	72	52	82	68	73	60	108	33	27	19	17	21

CAL YR 2005 TOTAL 55979.7 MEAN 153 MAX 1910 MIN 5.3 AC-FT 111000
WTR YR 2006 TOTAL 30464 MEAN 83.5 MAX 255 MIN 17 AC-FT 60430

MAX DISCH: 259 CFS AT 00:00 ON Feb. 25, 2006 GH 3.65 FT. SHIFT 0 FT. DATUM CORRECTION +0.01
MAX GH: 3.65 FT. AT 00:00 ON Feb. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 1
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06763980 SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL NO 3)

LOCATION.--Lat 40°58'46", long 102°15'15", in NW¼NE¼ sec. 33, T.12 N., R.44 W., Sedgwick County, Hydrologic Unit 10190018, on left bank of channel No 4 (left channel) 215 ft downstream from bridge on U.S. Highway 385, 0.9 mi southeast of Julesburg, 3.0 mi upstream from Colorado-Nebraska State line, and 8 mi downstream from Lodgepole Creek.

DRAINAGE AREA.--23,821 mi².

GAGE.--Graphic water-stage recorder and satellite monitoring DCP in a metal pipe shelter and well. Supplemental outside chain gage. The chart recorder was removed on October 20, 2005. Station description is in the South Platte at Julesburg-combined flow-record envelope.

REMARKS.--The primary record is hourly data taken from satellite monitoring with chart backup. The record is unreliable for the entire year and missing from June 10-July 3 and July 22-September 30, 2006. The record is estimated and poor from October 1, 2005 to July 21, 2006, and fair from July 22 to September 30, 2006. Discharge records and a station analysis for the Town of Julesburg return ditch are included with this record. This record is added to the daily flows of channels 1 and 2 to form the record for the South Platte River at Julesburg, Combined flow. Station maintained by Bob Erosky and Bob Cooper and record developed by Bob Cooper.

RATING TABLE.--

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.20	.20	.30	.30	.30	.50	.40	.10	.40	3.7	1.0
2	.30	.20	.20	.30	.30	.30	.50	.40	.10	.50	3.0	1.3
3	.30	.20	.20	.30	.30	.30	.50	.40	.10	.60	2.1	1.0
4	.30	.20	.20	.30	.30	.30	.50	.40	.10	.70	1.7	1.0
5	.30	.20	.20	.30	.30	.30	.50	.40	.10	.70	1.2	1.0
6	.20	.10	.30	.30	.30	.30	.50	.40	.10	.70	.71	1.0
7	.20	.10	.30	.30	.30	.30	.50	.30	.10	1.0	.57	1.0
8	.20	.10	.30	.30	.30	.30	.50	.30	.10	1.8	.33	.90
9	.20	.10	.30	.30	.30	.30	.50	.30	.10	2.6	.47	1.0
10	.20	.10	.30	.30	.30	.30	.50	.30	0	2.6	.37	1.2
11	.20	.10	.30	.30	.40	.30	.50	.30	0	2.6	.10	1.8
12	.20	.10	.30	.30	.40	.30	.50	.30	0	2.6	3.2	3.2
13	.20	.10	.30	.30	.40	.30	.50	.30	0	2.6	6.6	2.8
14	.20	.10	.30	.30	.40	.30	.50	.30	0	2.6	1.9	1.9
15	.20	.10	.30	.30	.40	.30	.50	.20	0	2.6	1.6	1.0
16	.20	.10	.30	.30	.40	.30	.50	.20	.10	2.6	2.5	.85
17	.20	.10	.40	.30	.40	.30	.50	.20	.10	2.6	2.7	.65
18	.20	.10	.40	.30	.40	.30	.50	.20	.10	2.6	1.8	.54
19	.20	.10	.40	.30	.40	.30	.50	.20	.20	2.8	1.9	.48
20	.20	.10	.40	.30	.40	.30	.50	.20	.20	3.0	2.3	.41
21	.20	.10	.40	.30	.40	.30	.40	.20	.20	3.5	2.1	1.2
22	.20	.10	.40	.30	.40	.40	.40	.20	.20	3.0	2.1	1.1
23	.20	.10	.40	.30	.40	.40	.40	.20	.30	3.1	2.1	1.0
24	.20	.10	.40	.30	.30	.40	.40	.10	.30	1.3	2.0	1.0
25	.20	.10	.40	.30	.30	.40	.40	.10	.30	.62	2.0	1.0
26	.20	.10	.40	.30	.30	.40	.40	.10	.40	7.4	1.7	1.0
27	.20	.10	.30	.30	.30	.40	.40	.10	.40	5.2	2.0	1.0
28	.20	.10	.30	.30	.30	.40	.40	.10	.40	1.1	1.4	1.0
29	.20	.10	.30	.30	---	.50	.40	.10	.40	1.4	1.3	1.0
30	.20	.10	.30	.30	---	.50	.40	.10	.40	1.9	1.3	1.0
31	.20	---	.30	.30	---	.50	---	.10	---	3.5	1.3	---
TOTAL	6.70	3.50	9.80	9.30	9.70	10.60	14.00	7.40	4.90	70.22	58.05	34.33
MEAN	.22	.12	.32	.30	.35	.34	.47	.24	.16	2.27	1.87	1.14
AC-FT	13	6.9	19	18	19	21	28	15	9.7	139	115	68
MAX	.30	.20	.40	.30	.40	.50	.50	.40	.40	7.4	6.6	3.2
MIN	.20	.10	.20	.30	.30	.30	.40	.10	0	.40	.10	.41

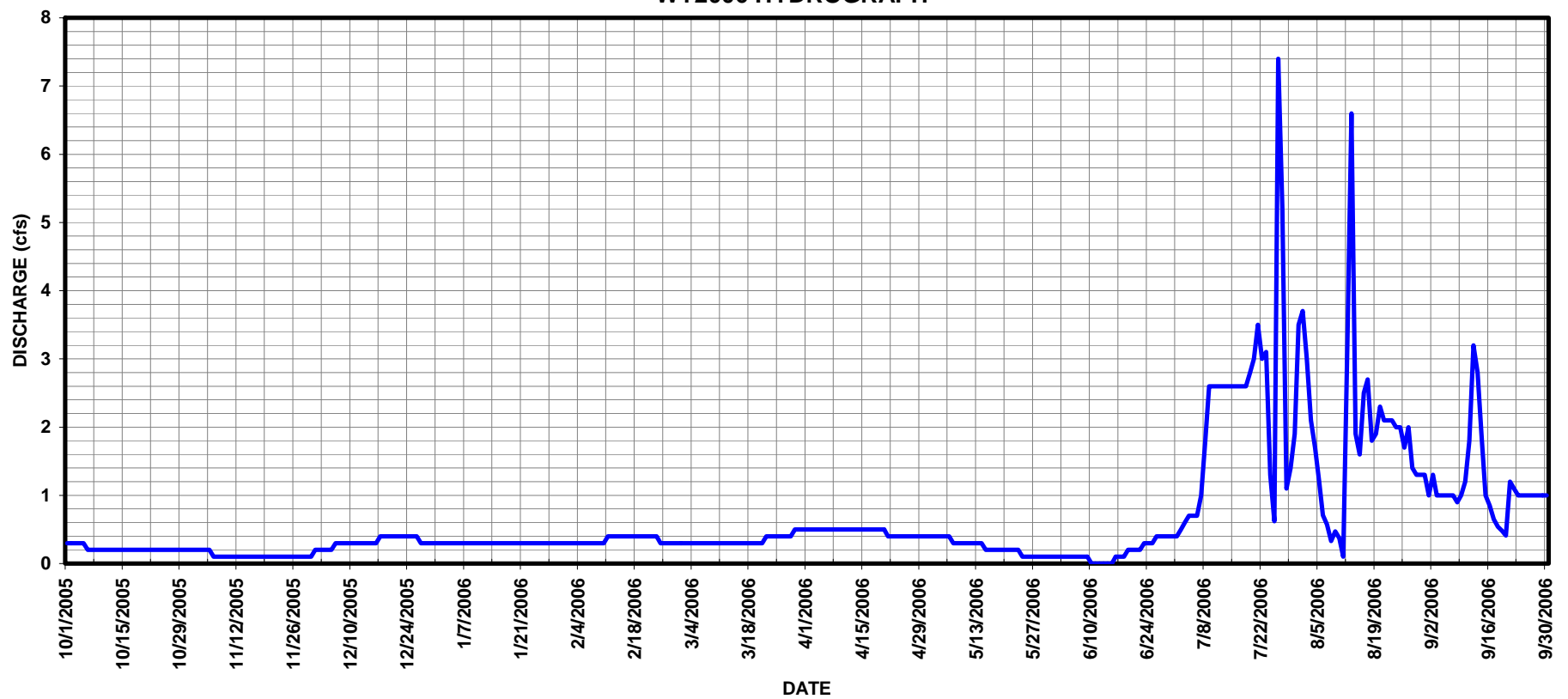
CAL YR	2005	TOTAL	1743.97	MEAN	4.78	MAX	200	MIN	0	AC-FT	3459
WTR YR	2006	TOTAL	238.5	MEAN	.65	MAX	7.4	MIN	0	AC-FT	473

MAX DISCH: Not Determined. Record Estimated

MAX GH: Not Determined. Record Estimated

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06763990 SOUTH PLATTE RIVER AT JULESBURG CO CHANNEL NO 4 (INCLUDES FLOW FROM CHANNEL NO
3)
WY2006 HYDROGRAPH



PLATTE RIVER BASIN

06764000 SOUTH PLATTE RIVER AT JULESBURG, CO (COMBINED)

LOCATION.--See Channel No.2 and Channel No.4.

DRAINAGE AREA AND PERIOD OF RECORD.--23,821 mi²; Apr. 1902 to present. Monthly discharge for some periods published in USGS WSP 1310.

GAGE.--Julesburg experienced flows similar to the past few years and could be considered as in drought conditions. Channel Two was dry the entire year. Virtually all of the total flow came from Channel One, except for periods in the summer, when Channel 4 had augmentation water being delivered. The Channel 4 gage was completely useless. The gage operated on seepage--the channel was away from the gage, the gage was surrounded by mud, heavy vegetation downstream caused backwater, and the flush plumbing was broken. Fortunately, Channel 4 was virtually dry except for July-September when Augmentation water was being delivered. We did have good discharges for most of the augmentation water, because we established a gage on the Town of Julesburg Return Ditch, which delivered the water to channel 4. This ditch gage was about ¼ mile from the Channel 4 gage.

REMARKS.--Each channel had estimated periods this year. If an individual channel's estimation contributed a significant percentage to the total flow for a particular day (>10% of mean daily Q), then the combined flow is considered estimated for that day. The record is good, except for November 28-30, December 6-9, 15-20, 2005; February 16-20, July 15, 16, August 29-31, September 1-5, 2006, which are estimated and poor; and November 15, December 1-5, 12-14, 2005, February 11, 12, 21, March 1-5, 21, July 9-14, 17-20, August 22-24, 2006, which are fair. The mostly good rating of the record was primarily due to the majority of flow occurring in Channel One, which was remarkably stable.

SOUTH PLATTE RIVER AT JULESBURG (COMBINED)

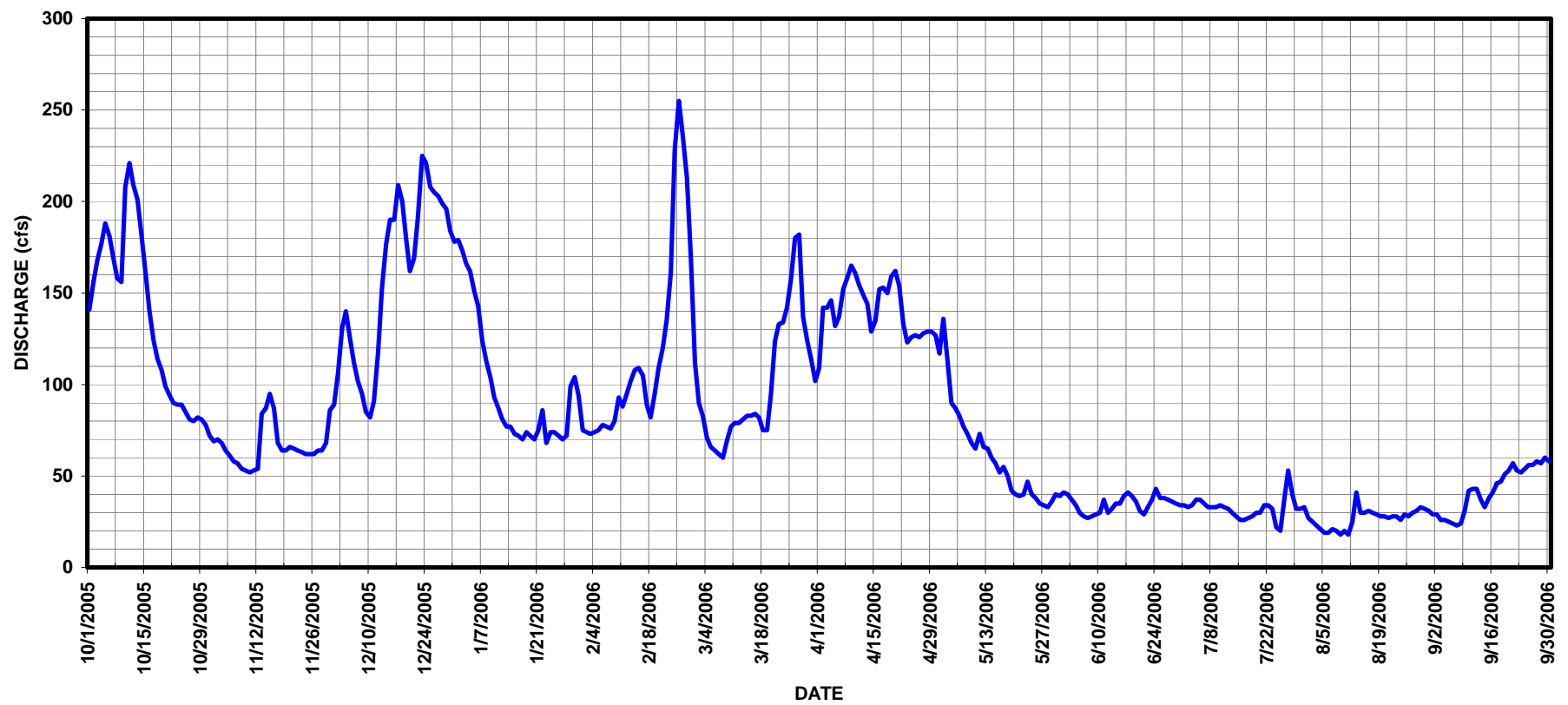
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	69	89	179	75	112	109	117	41	34	27	29
2	156	70	106	173	74	90	142	136	40	33	25	29
3	168	68	131	166	73	83	142	113	37	34	23	26
4	177	64	140	162	74	71	146	90	34	37	21	26
5	188	61	125	151	75	66	132	87	30	37	19	25
6	181	58	112	143	78	64	137	83	28	35	19	24
7	169	57	102	124	77	62	152	77	27	33	21	23
8	158	54	95	113	76	60	158	73	28	33	20	24
9	156	53	85	104	80	69	165	68	29	33	18	31
10	208	52	82	93	93	77	161	65	30	34	20	42
11	221	53	91	87	88	79	154	73	37	33	18	43
12	209	54	118	81	95	79	149	66	30	32	25	43
13	201	84	153	77	102	81	144	65	32	30	41	37
14	182	87	177	77	108	83	129	60	35	28	30	33
15	161	95	190	73	109	83	135	57	35	26	30	38
16	140	87	190	72	105	84	152	52	39	26	31	41
17	124	68	209	70	89	82	153	55	41	27	30	46
18	114	64	200	74	82	75	150	50	39	28	29	47
19	108	64	180	72	95	75	159	42	36	30	28	51
20	99	66	162	70	109	95	162	40	31	30	28	53
21	94	65	169	75	120	124	154	39	29	34	27	57
22	90	64	192	86	135	133	133	40	33	34	28	53
23	89	63	225	68	161	134	123	47	37	32	28	52
24	89	62	221	74	228	142	126	40	43	22	26	54
25	85	62	208	74	255	158	127	38	38	20	29	56
26	81	62	205	72	236	180	126	35	38	37	28	56
27	80	64	203	70	213	182	128	34	37	53	30	58
28	82	64	199	72	170	137	129	33	36	40	31	57
29	81	68	196	99	---	124	129	36	35	32	33	60
30	78	86	184	104	---	114	127	40	34	32	32	58
31	72	---	178	94	---	102	---	39	---	33	31	---
TOTAL	4182	1988	4917	3049	3275	3100	4233	1890	1039	1002	826	1272
MEAN	135	66.3	159	98.4	117	100	141	61.0	34.6	32.3	26.6	42.4
AC-FT	8290	3940	9750	6050	6500	6150	8400	3750	2060	1990	1640	2520
MAX	221	95	225	179	255	182	165	136	43	53	41	60
MIN	72	52	82	68	73	60	109	33	27	20	18	23

CAL YR 2005 TOTAL 65311 MEAN 179 MAX 3000 MIN 23 AC-FT 129500
WTR YR 2006 TOTAL 30773 MEAN 84.3 MAX 255 MIN 18 AC-FT 61040

MAX DISCH: 259 CFS AT 00:00 ON February 25, 2006 GH 3.66 FT. SHIFT 0 FT.
MAX GH: 3.65 FT. AT 00:00 ON February 25, 2006

06764000 SOUTH PLATTE RIVER AT JULESBURG CO (COMBINED)
WY2006 HYDROGRAPH



PLATTE RIVER BASIN
TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO

TRANSMOUNTAIN DIVERSIONS INTO THE SOUTH PLATTE BASIN IN COLORADO, W. Y. 2006

WATER YEAR 2006 (October 2005 - September 2006)

FROM THE COLORADO RIVER BASIN													
	2005			2006									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Adams Tunnel*	3742	0	12341	16897	14379	16066	14936	9990	11997	16649	14260	6474	137,731
Berthoud Pass Ditch	0	0	0	0	0	0	0	31	224	127	34	8	423
Boreas Pass Ditch	0	0	0	0	0	0	0	0.59	59.9	30.3	2.90	0	94
Grand River Ditch	82	0	0	0	0	0	0	1793	5142	1904	529	390	9,839
A.P. Gumlick Tunnel**	0	0	0	0	0	0	0	0	1158	119	0	0	1,277
Moffat Tunnel	2062	1043	670	442	332	329	1315	12117	15765	5016	1822	1955	42,868
Roberts Tunnel	3272	1178	1005	1041	952	1069	4882	11521	15676	10935	4195	440	56,166
Straight Creek Tunnel	9.9	9.6	10.5	10.9	9.9	11.5	11.1	23.2	47.7	11.2	9.8	9.6	175
Vidler Tunnel	0	0	0	0	0	0	0	0	199.6	116.7	0	0	316
TOTALS FROM THE COLORADO RIVER BASIN (DAY-CFS)													248,889
TOTALS FROM THE COLORADO RIVER BASIN (ACRE-FT)													493,671
*West slope water only **Direct release to Clear Creek only. All other flow included in Moffat Tunnel													

FROM THE LARAMIE RIVER BASIN													
	2005			2006									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Bob Creek Ditch	0	0	0	0	0	0	0	84.6	23.7	0	0	0	108
Columbine Ditch	0	0	0	0	0	0	0	0	0	0	0	0	0
Deadman Ditch	0	0	0	0	0	0	1.6	216.6	88.2	0	0	0	306
Laramie-Poudre Tunnel	0	0	0	0	0	0	24.2	3163.0	5711.0	546.5	0	0	9,445
Skyline Ditch	0	0	0	0	0	0	0	0	0	158	0	0	158
TOTALS FOR THE LARAMIE RIVER (DAY-CFS)													10,017
TOTALS FOR THE LARAMIE RIVER (Acre Feet, 19875 AF per CALENDAR Year Allowed Under Laramie River Agreement)													19,869
	2005			2006									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Wilson Supply Ditch (Gage)	0	0	0	0	0	0	40.6	511.5	120.8	0	0	0	673
minus Deadman Ditch	0	0	0	0	0	0	1.6	216.6	88.2	0	0	0	306
= SAND CR. DIVERSION	0	0	0	0	0	0	39.0	294.9	32.6	0	0	0	366
TOTALS FROM THE LARAMIE RIVER BASIN (DAY-CFS)													10,384
TOTALS FROM THE LARAMIE RIVER BASIN (ACRE-FT)													20,596

FROM THE NORTH PLATTE RIVER BASIN													
	2005			2006									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Cameron Pass Ditch	0	0	0	0	0	0	0	9.8	71.8	0	0	0	82
Michigan Ditch	96.9	35.2	19.2	26.7	25.2	27.6	37.0	548.6	409.0	25.2	17.3	28.5	1,296
TOTALS FROM THE NORTH PLATTE RIVER BASIN (DAY-CFS)													1,378
TOTALS FROM THE NORTH PLATTE RIVER BASIN (ACRE-FT)													2,733

SPECIAL CATEGORIES													
	2005			2006									
NAME	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
Hoosier Pass Tunnel *	611	0	0	0	0	0	108	1115	2371	1423	725	332	6,685
Aurora Homestake Pipeline**	0	2239	2293	2210	543	2221	1950	2005	1867	1770	2307	0	19,405
* Diverts into Division One, but entire flow is piped to the City of Colorado Springs in Division 2 ** Contains a Mixture of Colorado River Water and Water Transferred from the Arkansas River													

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TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR

LOCATION.--Lat 38°56'38", long 105°39'15", in Park County above Spinney Mountain Reservoir.

PERIOD OF RECORD.--1998 to present.

GAGE.--A venturi meter in a pipeline, equipped with satellite monitoring. The DCP, meter and facilities are owned and maintained by the City of Aurora. The DCP was replaced this year by a new high data rate Sutron Satlink 2 DCP. There are two meters—one is on the main release toward Spinney, and the other is on a pipe seldom used for pressure-relief (surge) on the pipeline. Both releases are monitored on the DCP.

REMARKS.--The primary record is two sets of hourly discharges taken from satellite monitoring. Where DCP data were not available or reliable, values from Aurora's Spinney Mountain Operations accounting were used. After installation of the Satlink 2 DCP, programming errors produced unreliable data during the period of 12/28/2005 to 1/30/2006. DCP transmission errors also occurred on the days of 10/11, 12/4-5, 15, 30 and 6/7, and missing values were replaced with Aurora's Operations data. The record is the combined total of two metered pipelines. No measurements were made this year. Reported means were compared with means computed from the same data by the City of Aurora, and found to be nearly identical, except for flows on startup days and near zero flow days. Occasional days differed by 1 cfs in the two records due to rounding. Record for the periods when DCP data was considered unreliable or missing was taken from Aurora's Spinney Mountain Operations reports, and is considered poor. The record must be regarded as poor until the meter is calibrated with discharge measurements. Record developed by Garver Brown.

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

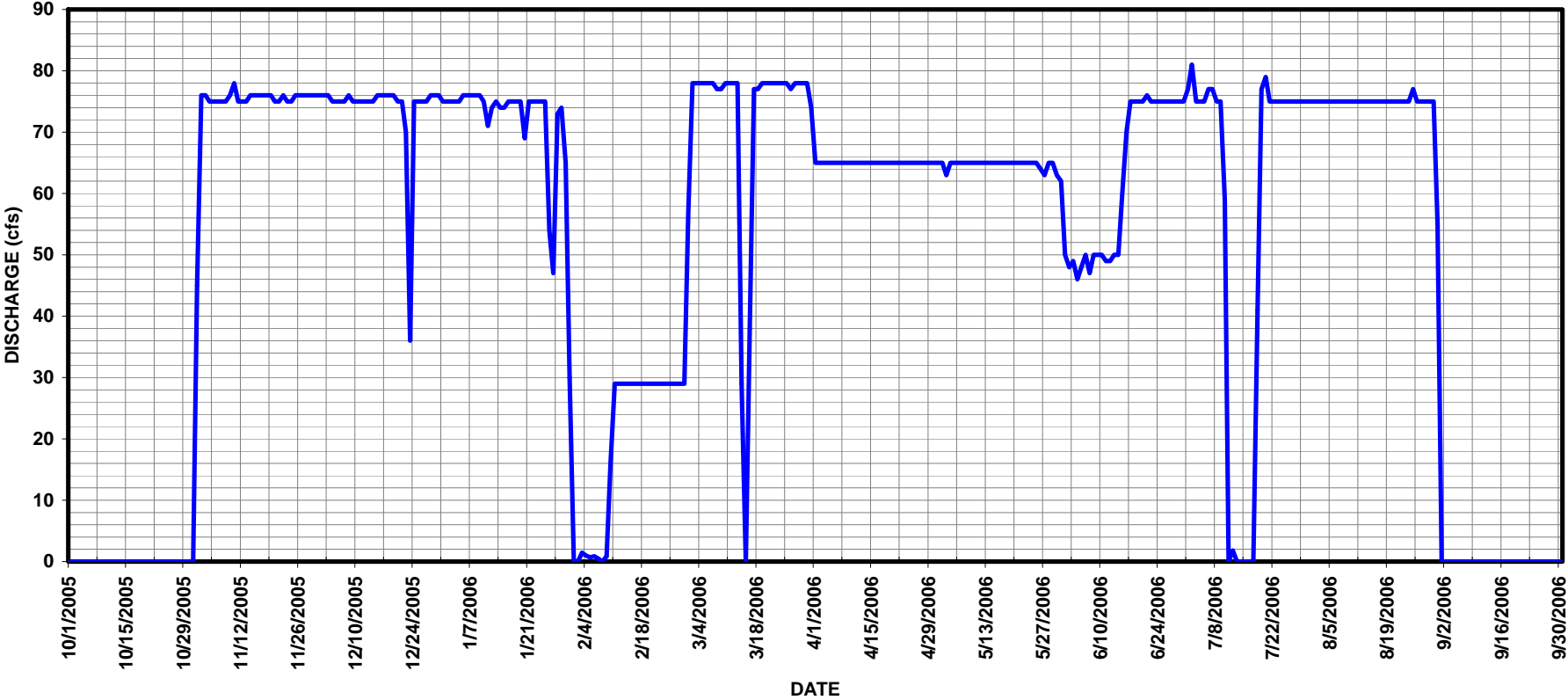
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	45	76	75	.05	57	65	65	50	77	75	0
2	0	76	76	75	.04	78	65	65	48	81	75	0
3	0	76	76	75	1.4	78	65	63	49	75	75	0
4	0	75	75	75	.95	78	65	65	46	75	75	0
5	0	75	75	76	.67	78	65	65	48	75	75	0
6	0	75	75	76	.89	78	65	65	50	77	75	0
7	0	75	75	76	.48	78	65	65	47	77	75	0
8	0	75	76	76	0	77	65	65	50	75	75	0
9	0	76	75	76	.86	77	65	65	50	75	75	0
10	0	78	75	75	16	78	65	65	50	59	75	0
11	0	75	75	71	29	78	65	65	49	0	75	0
12	0	75	75	74	29	78	65	65	49	1.8	75	0
13	0	75	75	75	29	78	65	65	50	0	75	0
14	0	76	75	74	29	29	65	65	50	0	75	0
15	0	76	76	74	29	0	65	65	60	0	75	0
16	0	76	76	75	29	38	65	65	70	0	75	0
17	0	76	76	75	29	77	65	65	75	0	75	0
18	0	76	76	75	29	77	65	65	75	41	75	0
19	0	76	76	75	29	78	65	65	75	77	75	0
20	0	75	75	69	29	78	65	65	75	79	75	0
21	0	75	75	75	29	78	65	65	76	75	75	0
22	0	76	70	75	29	78	65	65	75	75	75	0
23	0	75	36	75	29	78	65	65	75	75	75	0
24	0	75	75	75	29	78	65	65	75	75	75	0
25	0	76	75	75	29	78	65	65	75	75	77	0
26	0	76	75	54	29	77	65	64	75	75	75	0
27	0	76	75	47	29	78	65	63	75	75	75	0
28	0	76	76	73	29	78	65	65	75	75	75	0
29	0	76	76	74	---	78	65	65	75	75	75	0
30	0	76	76	65	---	78	65	63	75	75	75	0
31	0	---	75	30	---	74	---	62	---	75	55	---
TOTAL	0	2239	2293	2210	543.34	2221	1950	2005	1867	1769.8	2307	0
MEAN	0	74.6	74.0	71.3	19.4	71.6	65.0	64.7	62.2	57.1	74.4	0
AC-FT	0	4440	4550	4380	1080	4410	3870	3980	3700	3510	4580	0
MAX	0	78	76	76	29	78	65	65	76	81	77	0
MIN	0	45	36	30	0	0	65	62	46	0	55	0

CAL YR	2005	TOTAL	24478.8	MEAN	67.1	MAX	83	MIN	0	AC-FT	48550
WTR YR	2006	TOTAL	19405.14	MEAN	53.2	MAX	81	MIN	0	AC-FT	38490

MAX DISCH: 78.3 CFS AT 09:00 ON Mar. 4, 2006 GH 78.3 FT. SHIFT 0 FT.
MAX GH: 78.3 FT. AT 09:00 ON Mar. 4, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

AURORA HOMESTAKE PIPELINE ABOVE SPINNEY MOUNTAIN RESERVOIR CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA, CO

LOCATION.--Lat 39°21'33", long 106°04'37"; Park County, tunnel diverts water from tributaries of Blue River in Colorado River basin to Montgomery Res. (Middle Fork South Platte River) in sec. 14, T. 8 S., R. 78 W., in Platte River basin.

PERIOD OF RECORD.--1952 to present.

GAGE.--Graphic water-stage recorder (weekly) and satellite monitoring (SatLink 2 high data rate DCP logger) at an 8-foot Parshall flume with a metal stilling well. Flume and equipment are housed inside the tunnel entrance. Facilities are owned and maintained by the City of Colorado Springs. Satellite equipment is owned and maintained by DWR.

REMARKS.--The record is developed from hourly gage heights from the satellite record, with chart back up. The record is complete and reliable. The record is good due to increased definition by measurements. The flow is controlled by numerous diversions into the tunnel inlet from the Blue River drainage. Station maintained and record developed by Garver Brown.

RATING TABLE.--STD08FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

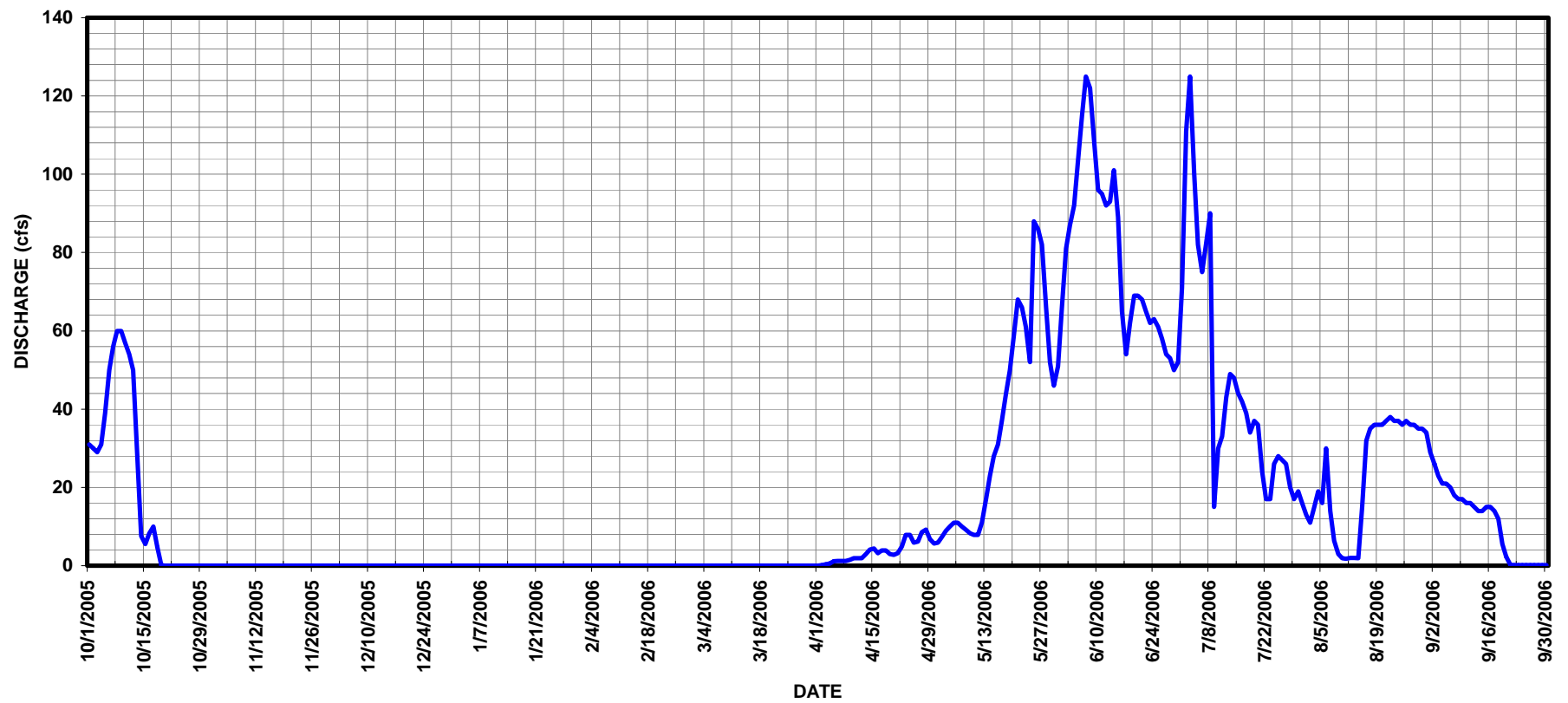
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	0	0	0	0	0	0	5.9	66	71	13	29
2	30	0	0	0	0	0	.11	7.3	81	111	11	26
3	29	0	0	0	0	0	.35	8.9	87	125	15	23
4	31	0	0	0	0	0	.55	10	92	100	19	21
5	39	0	0	0	0	0	1.1	11	103	82	16	21
6	50	0	0	0	0	0	1.2	11	115	75	30	20
7	56	0	0	0	0	0	1.2	10	125	82	14	18
8	60	0	0	0	0	0	1.2	9.2	122	90	6.4	17
9	60	0	0	0	0	0	1.5	8.3	109	15	3	17
10	57	0	0	0	0	0	1.9	7.9	96	30	1.9	16
11	54	0	0	0	0	0	1.9	7.9	95	33	1.8	16
12	50	0	0	0	0	0	1.9	11	92	43	2	15
13	28	0	0	0	0	0	3	17	93	49	2	14
14	7.6	0	0	0	0	0	4.1	23	101	48	1.9	14
15	5.5	0	0	0	0	0	4.4	28	89	44	15	15
16	8.2	0	0	0	0	0	3.2	31	65	42	32	15
17	10	0	0	0	0	0	3.9	37	54	39	35	14
18	4.8	0	0	0	0	0	3.9	44	62	34	36	12
19	.17	0	0	0	0	0	3	50	69	37	36	5.5
20	0	0	0	0	0	0	2.8	59	69	36	36	2.3
21	0	0	0	0	0	0	3.2	68	68	24	37	.18
22	0	0	0	0	0	0	4.9	66	65	17	38	.11
23	0	0	0	0	0	0	7.9	61	62	17	37	.11
24	0	0	0	0	0	0	7.9	52	63	26	37	.11
25	0	0	0	0	0	0	5.9	88	61	28	36	.11
26	0	0	0	0	0	0	6.2	86	58	27	37	.11
27	0	0	0	0	0	0	8.6	82	54	26	36	.11
28	0	0	0	0	0	0	9.2	66	53	20	36	.11
29	0	0	0	0	---	0	6.8	52	50	17	35	.11
30	0	0	0	0	---	0	5.7	46	52	19	35	.11
31	0	---	0	0	---	0	---	51	---	16	34	---
TOTAL	611.27	0	0	0	0	0	107.51	1115.4	2371	1423	725	331.97
MEAN	19.7	0	0	0	0	0	3.58	36	79	46	23.4	11.1
AC-FT	1210	0	0	0	0	0	213	2210	4700	2820	1440	658
MAX	60	0	0	0	0	0	9.2	88	125	125	38	29
MIN	0	0	0	0	0	0	0	5.9	50	15	1.8	.11

CAL YR	2005	TOTAL	5670.83	MEAN	15.5	MAX	102	MIN	0	AC-FT	11250
WTR YR	2006	TOTAL	6685.15	MEAN	18.3	MAX	125	MIN	0	AC-FT	13260

MAX DISCH: 185 CFS AT 01:45 ON Jul. 8, 2006 GH 2.97 FT. SHIFT 0.01 FT.
MAX GH: 2.97 FT. AT 01:45 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09042000 EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09046000 BOREAS PASS DITCH AT BOREAS PASS, CO

LOCATION.--Diverts water from tributaries of Blue River in Colorado River basin to Tarryall Creek in sec. 26, T.7 S., R.77 W., in Platte River basin.

PERIOD OF RECORD.--Gage established in 1932, with continuous record from 1950 to present, and for some years prior to 1950.

GAGE.--A Sutron Satlink 2 DCP, and a Sutron SDR were installed June 7, 2006, replacing a Sutron 8200 DCP and shaft encoder. There is an 18-inch Parshall flume with a metal stilling well. The ditch goes underground after collection, and the flume and equipment are housed inside a manhole. The flume is set into the concrete pipeline, approximately 14 ft. underground. Staff gage is used without tape/RP. The gage and equipment are owned by the City of Englewood. The DCP and ditch gates are operated by the water commissioner under a special contract arrangement with Englewood.

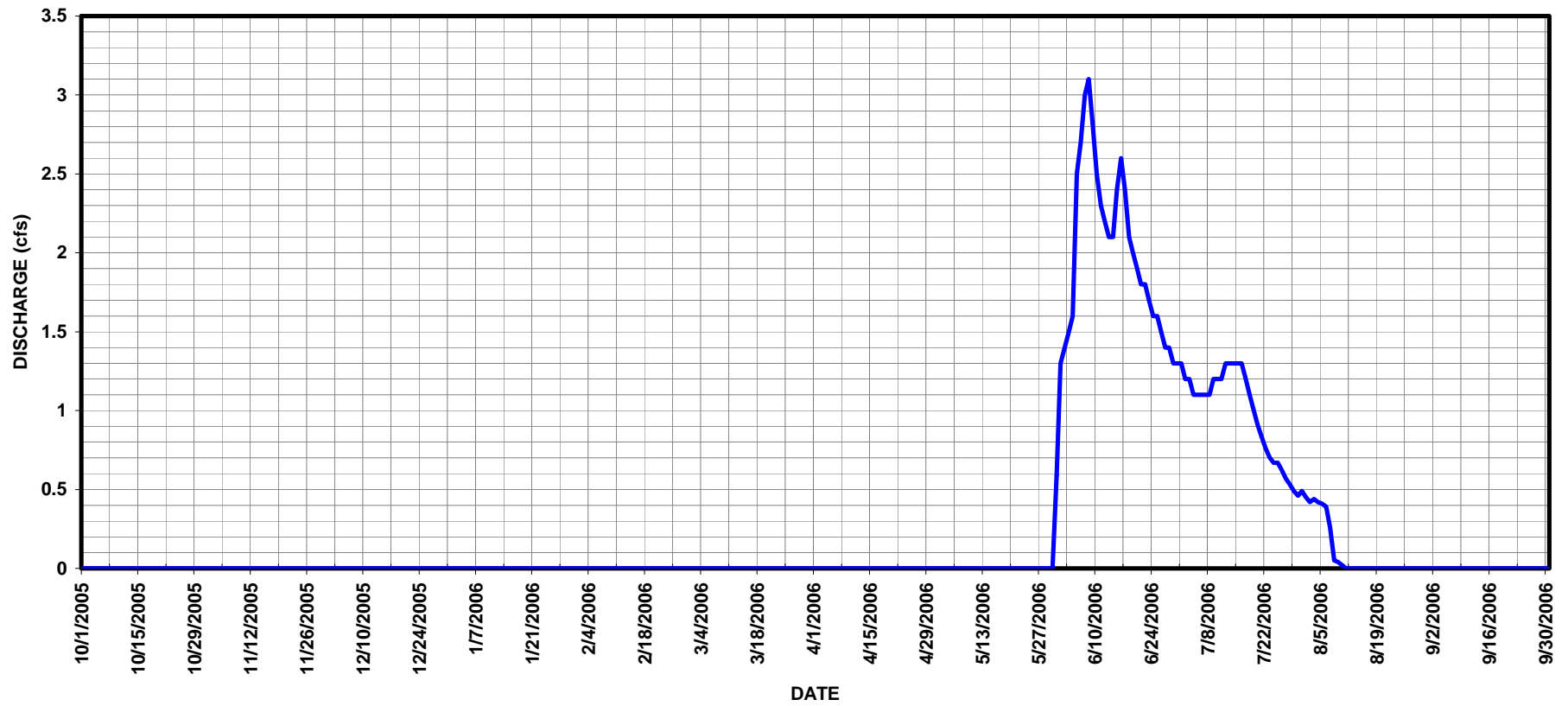
REMARKS.--The primary record is hourly satellite data. Data were collected from May 31 until August 10, 2006. The data are complete and reliable, although special corrections were required as follows: a 1.5 ft. pulley circumference was programmed into the Sutron SDR (instead of 1.0 ft.) on June 7. This problem was identified and corrected by the ditch operator on June 15 (11:15). Satellite values from June 7 (13:00) to June 15 (11:00) were recalculated with no loss of accuracy using the following formula: Actual GH = Set Point + ((GH_r - Set Point) / 1.5) where GH_r = Recorded Gage Height). From June 7 to June 14 (09:00) this formula was Actual GH = 0.68 + ((GH_r - 0.68) / 1.5). From June 14 (09:15) until June 15 (11:00) this formula was Actual GH = 0.54 + ((GH_r - 0.54) / 1.5). The record is good. The gage is seasonal and runs typically from May/June to August. Record developed by Garver Brown.

RATING TABLE.--STD01HFTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.3	1.3	.45	0
2	0	0	0	0	0	0	0	0	1.4	1.2	.42	0
3	0	0	0	0	0	0	0	0	1.5	1.2	.44	0
4	0	0	0	0	0	0	0	0	1.6	1.1	.42	0
5	0	0	0	0	0	0	0	0	2.5	1.1	.41	0
6	0	0	0	0	0	0	0	0	2.7	1.1	.39	0
7	0	0	0	0	0	0	0	0	3.0	1.1	.26	0
8	0	0	0	0	0	0	0	0	3.1	1.1	.05	0
9	0	0	0	0	0	0	0	0	2.8	1.2	.04	0
10	0	0	0	0	0	0	0	0	2.5	1.2	.02	0
11	0	0	0	0	0	0	0	0	2.3	1.2	0	0
12	0	0	0	0	0	0	0	0	2.2	1.3	0	0
13	0	0	0	0	0	0	0	0	2.1	1.3	0	0
14	0	0	0	0	0	0	0	0	2.1	1.3	0	0
15	0	0	0	0	0	0	0	0	2.4	1.3	0	0
16	0	0	0	0	0	0	0	0	2.6	1.3	0	0
17	0	0	0	0	0	0	0	0	2.4	1.2	0	0
18	0	0	0	0	0	0	0	0	2.1	1.1	0	0
19	0	0	0	0	0	0	0	0	2.0	1.0	0	0
20	0	0	0	0	0	0	0	0	1.9	.91	0	0
21	0	0	0	0	0	0	0	0	1.8	.83	0	0
22	0	0	0	0	0	0	0	0	1.8	.76	0	0
23	0	0	0	0	0	0	0	0	1.7	.70	0	0
24	0	0	0	0	0	0	0	0	1.6	.67	0	0
25	0	0	0	0	0	0	0	0	1.6	.67	0	0
26	0	0	0	0	0	0	0	0	1.5	.62	0	0
27	0	0	0	0	0	0	0	0	1.4	.57	0	0
28	0	0	0	0	0	0	0	0	1.4	.53	0	0
29	0	0	0	0	---	0	0	0	1.3	.49	0	0
30	0	0	0	0	---	0	0	0	1.3	.46	0	0
31	0	---	0	0	---	0	---	.59	---	.49	0	---
TOTAL	0	0	0	0	0	0	0	.59	59.9	30.30	2.90	0
MEAN	0	0	0	0	0	0	0	.019	2.00	.98	.094	0
AC-FT	0	0	0	0	0	0	0	1.2	119	60	5.8	0
MAX	0	0	0	0	0	0	0	.59	3.1	1.3	.45	0
MIN	0	0	0	0	0	0	0	0	1.3	.46	0	0
CAL YR 2005	TOTAL	67.0	MEAN	.28	MAX	1.8	MIN	0	AC-FT	133		
WTR YR 2006	TOTAL	93.69	MEAN	.26	MAX	3.1	MIN	0	AC-FT	186		
MAX DISCH: 3.24 CFS AT 13:15 ON Jun. 8, 2006 GH 0.71 FT. SHIFT -0.04 FT.												
MAX GH: 0.71 FT. AT 13:15 ON Jun. 8, 2006												

09046000 BOREAS PASS DITCH AT BOREAS PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT, CO

LOCATION.--Lat 39°27'50", long 105°41'01"; Harold D. Roberts tunnel diverts water from Dillon Reservoir in Blue River basin, to North Fork South Platte River (tributary to South Platte River) in SW¼SW¼ sec. 4, T. 7 S., R. 74 W., in Platte River basin.

PERIOD OF RECORD.--1963 to present.

GAGE.--A Stevens 2A-35 graphic stage recorder and Sutron 8210 DCP with digital shaft encoder in a concrete shelter and well at a 20' Parshall Flume. Primary reference is a drop tape with the R.M. on the front edge of the equipment shelf. Station is owned and maintained by the Denver Water Dept., who also generate power from the tunnel flow.

REMARKS.--The record is taken from hourly satellite data with chart backup. It is complete and reliable. The recording equipment functions well and is considered reliable during cold weather due to a heat lamp installed within the shelter and well. During zero-flow periods, there is a residual gage height due to standing water in the well & flume. (The inlet is slightly above the floor of the flume, and dead moss traps patches of water in the flume.) The level seems to vary from .05 ft to 0.15 ft. Denver Water Board Department records were used to verify periods of zero flow. The record is rated as good. Station maintained and record developed by Garver Brown.

RATING TABLE.--STD20FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	94	32	33	34	34	50	0	514	450	275	40
2	148	94	32	33	34	34	50	112	509	449	244	25
3	180	95	33	33	34	34	50	250	503	440	170	31
4	200	73	32	33	34	34	50	250	502	358	86	32
5	199	57	32	33	34	35	49	250	498	298	54	31
6	199	56	32	33	34	35	47	250	475	299	53	38
7	153	57	32	33	34	34	48	218	463	344	53	40
8	126	38	32	33	34	35	48	225	477	342	54	9.9
9	93	26	32	33	34	35	48	308	491	226	83	9.9
10	75	27	32	33	34	35	61	350	504	77	157	9.9
11	58	27	32	33	34	34	68	350	490	0	252	9.9
12	46	26	32	33	34	34	100	392	488	115	301	9.9
13	48	26	32	34	34	34	173	421	492	333	299	9.8
14	51	26	32	34	34	34	225	421	507	551	246	9.5
15	51	26	32	34	34	34	240	437	513	550	149	9.4
16	51	26	32	34	34	34	241	482	520	552	68	9.4
17	76	27	32	34	34	34	240	469	535	552	20	9.2
18	99	27	32	34	34	34	240	446	547	550	113	9.0
19	98	27	32	34	34	34	240	447	551	518	195	8.8
20	98	27	33	34	34	34	240	421	547	498	194	8.8
21	98	28	33	34	34	34	292	364	550	455	193	8.8
22	98	28	33	34	34	34	357	374	550	399	140	8.4
23	99	28	33	33	34	34	357	396	573	398	100	8.3
24	99	28	33	34	34	34	341	461	573	347	99	8.3
25	98	28	33	34	34	34	299	488	593	292	98	8.0
26	98	29	33	34	34	34	278	467	580	297	73	7.8
27	98	31	33	34	34	34	278	488	571	296	58	7.8
28	98	32	33	34	34	34	172	494	563	239	58	7.5
29	98	32	33	34	---	34	0	494	529	193	83	7.3
30	97	32	33	34	---	34	0	486	468	242	144	7.3
31	94	---	33	34	---	44	---	510	---	275	83	---
TOTAL	3272	1178	1005	1041	952	1069	4882	11521	15676	10935	4195	439.9
MEAN	106	39.3	32.4	33.6	34.0	34.5	163	372	523	353	135	14.7
AC-FT	6490	2340	1990	2060	1890	2120	9680	22850	31090	21690	8320	873
MAX	200	95	33	34	34	44	357	510	593	552	301	40
MIN	46	26	32	33	34	34	0	0	463	0	20	7.3

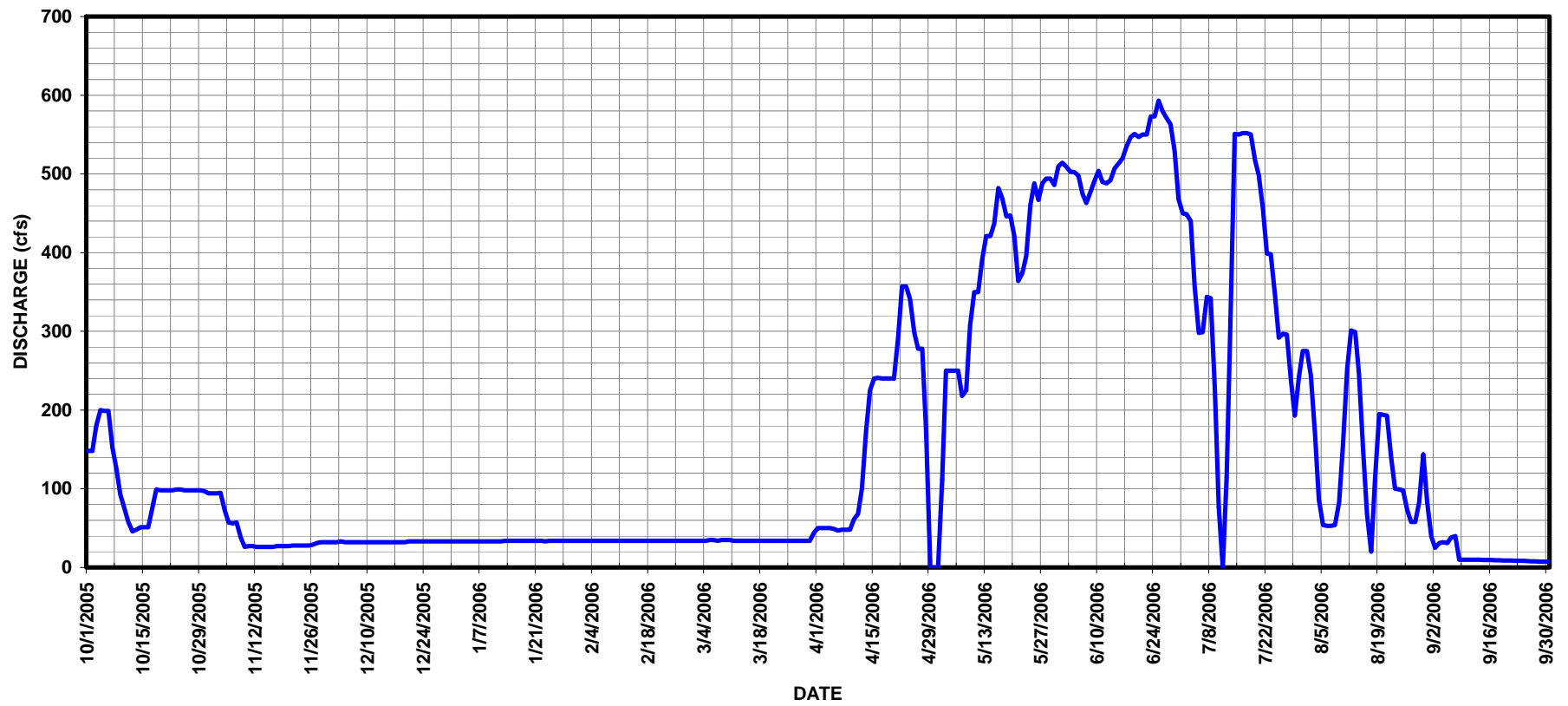
CAL YR	2005	TOTAL	28693	MEAN	78.6	MAX	529	MIN	0	AC-FT	56910
WTR YR	2006	TOTAL	56165.9	MEAN	154	MAX	593	MIN	0	AC-FT	111400

MAX DISCH: 654 CFS AT 12:30 ON Jun. 23, 2006 GH 3.77 FT. SHIFT 0.06 FT.

MAX GH: 3.77 FT. AT 12:30 ON Jun. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09050590 HAROLD D. ROBERTS TUNNEL NEAR GRANT CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL

LOCATION.--Lat 39°40'45", long 105°54'12", manhole is located in the East Portal CDOT parking lot between the East and West bound lanes.

DRAINAGE AREA.--Eisenhower Tunnel seepage with effluent from sewage treatment facility.

GAGE.--A 12-inch Parshall flume located in a manhole in the CDOT parking lot between eastbound and westbound lanes of I-70. The tunnel pipeline is approximately 12 ft. underground. There is a condensing environment in the tunnel; the moisture has destroyed electronic and electrical equipment placed there previously. Most metal objects are corroded. The air is of poor quality within the tunnel.

REMARKS.--Employees of Coors take one instantaneous gage height reading at intervals during the fair weather months. The parking lot is covered with ice in the winter and such readings are not made. The record is not rated for accuracy. The site does not have continuous record. Yearly data is based on the interpolation of 14 user-supplied instantaneous observations of flow. However, it is noted that weekly observations were made during May and June this year, which seemed to identify the period of higher flows. This record is requested by DWR Division 5 and the Upper Colorado River Commission to complete their accounting of transmountain diversions. Record developed by Lee Cunning.

RATING TABLE.--STD01FTPAR USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

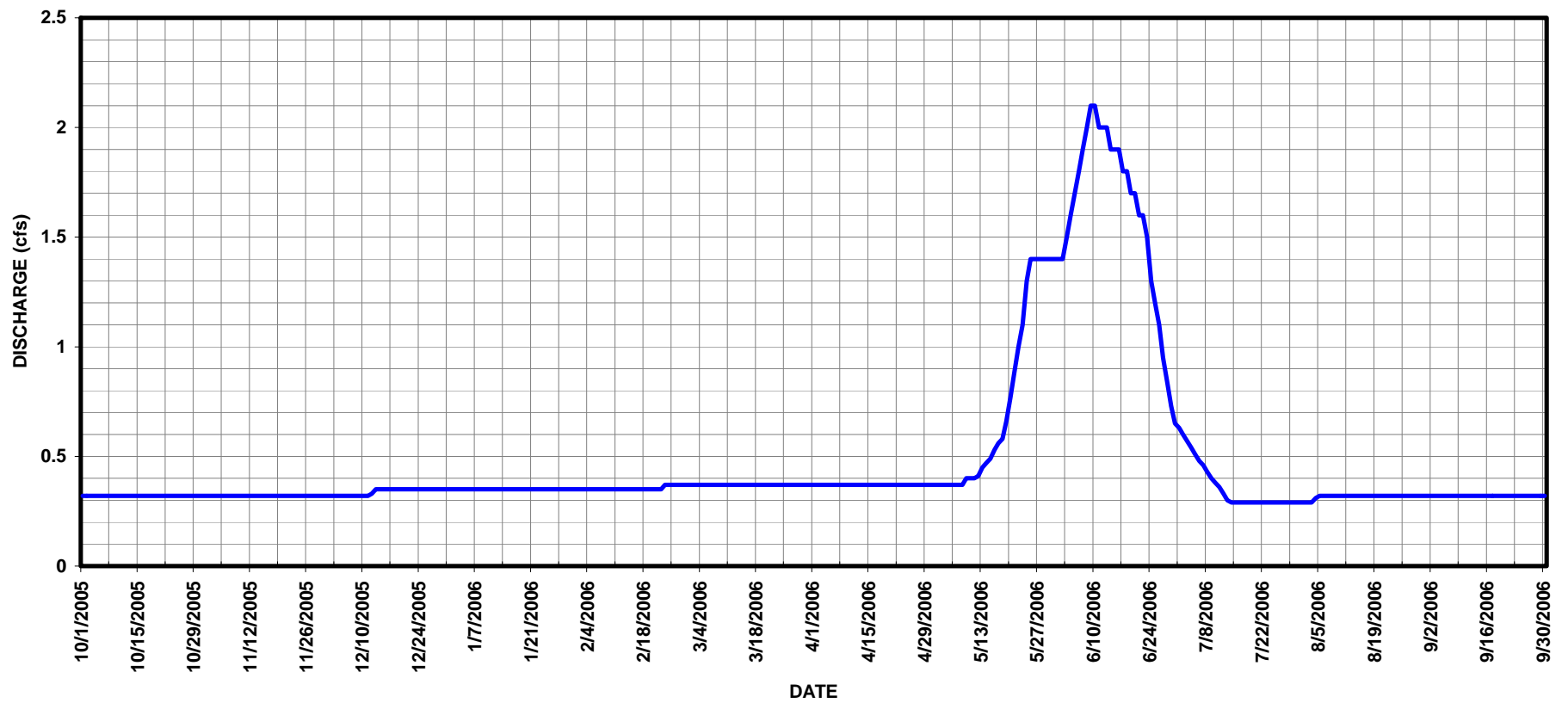
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.32	.32	.35	.35	.37	.37	.37	1.4	.63	.29	.32
2	.32	.32	.32	.35	.35	.37	.37	.37	1.4	.6	.29	.32
3	.32	.32	.32	.35	.35	.37	.37	.37	1.5	.57	.29	.32
4	.32	.32	.32	.35	.35	.37	.37	.37	1.6	.54	.31	.32
5	.32	.32	.32	.35	.35	.37	.37	.37	1.7	.51	.32	.32
6	.32	.32	.32	.35	.35	.37	.37	.37	1.8	.48	.32	.32
7	.32	.32	.32	.35	.35	.37	.37	.37	1.9	.46	.32	.32
8	.32	.32	.32	.35	.35	.37	.37	.37	2	.43	.32	.32
9	.32	.32	.32	.35	.35	.37	.37	.4	2.1	.4	.32	.32
10	.32	.32	.32	.35	.35	.37	.37	.4	2.1	.38	.32	.32
11	.32	.32	.32	.35	.35	.37	.37	.4	2	.36	.32	.32
12	.32	.32	.33	.35	.35	.37	.37	.41	2	.33	.32	.32
13	.32	.32	.35	.35	.35	.37	.37	.45	2	.3	.32	.32
14	.32	.32	.35	.35	.35	.37	.37	.47	1.9	.29	.32	.32
15	.32	.32	.35	.35	.35	.37	.37	.49	1.9	.29	.32	.32
16	.32	.32	.35	.35	.35	.37	.37	.53	1.9	.29	.32	.32
17	.32	.32	.35	.35	.35	.37	.37	.56	1.8	.29	.32	.32
18	.32	.32	.35	.35	.35	.37	.37	.58	1.8	.29	.32	.32
19	.32	.32	.35	.35	.35	.37	.37	.66	1.7	.29	.32	.32
20	.32	.32	.35	.35	.35	.37	.37	.77	1.7	.29	.32	.32
21	.32	.32	.35	.35	.35	.37	.37	.89	1.6	.29	.32	.32
22	.32	.32	.35	.35	.35	.37	.37	1	1.6	.29	.32	.32
23	.32	.32	.35	.35	.37	.37	.37	1.1	1.5	.29	.32	.32
24	.32	.32	.35	.35	.37	.37	.37	1.3	1.3	.29	.32	.32
25	.32	.32	.35	.35	.37	.37	.37	1.4	1.2	.29	.32	.32
26	.32	.32	.35	.35	.37	.37	.37	1.4	1.1	.29	.32	.32
27	.32	.32	.35	.35	.37	.37	.37	1.4	.95	.29	.32	.32
28	.32	.32	.35	.35	.37	.37	.37	1.4	.84	.29	.32	.32
29	.32	.32	.35	.35	---	.37	.37	1.4	.73	.29	.32	.32
30	.32	.32	.35	.35	---	.37	.37	1.4	.65	.29	.32	.32
31	.32	---	.35	.35	---	.37	---	1.4	---	.29	.32	---
TOTAL	9.92	9.6	10.5	10.85	9.92	11.47	11.1	23.17	47.67	11.21	9.82	9.6
MEAN	.32	.32	.34	.35	.35	.37	.37	.75	1.59	.36	.32	.32
AC-FT	20	19	21	22	20	23	22	46	95	22	19	19
MAX	.32	.32	.35	.35	.37	.37	.37	1.4	2.1	.63	.32	.32
MIN	.32	.32	.32	.35	.35	.37	.37	.37	.65	.29	.29	.32

CAL YR	2005	TOTAL	180.55	MEAN	.50	MAX	1.8	MIN	.32	AC-FT	358
WTR YR	2006	TOTAL	174.83	MEAN	.48	MAX	2.1	MIN	.29	AC-FT	347

MAX DISCH: 2.08 CFS AT 12:00 ON Jun. 9, 2006 GH 0.65 FT. SHIFT 0 FT.
MAX GH: 0.65 FT. AT 12:00 ON Jun. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

A.P. GUMBLICK TUNNEL (aka JONES PASS TUNNEL) RELEASE TO CLEAR CREEK NEAR JONES PASS, CO

LOCATION.--Lat. 39°46'15", Long. 105°50'55"; in Sec. 24, T. 3S, R. 76W.; Two miles east of Jones Pass at Henderson Mine, 11 miles west of Empire, Colorado. Diversion is from tributaries of the Williams Fork River in the Colorado River Basin. Since July, 1959, Gumlick water has been rediverted into Vasquez Tunnel to Vasquez Creek in the Frazier River and Colorado River basins. Gumlick Tunnel flows may be released into Clear Creek and must be accounted for as a separate trans-mountain diversion from the Colorado River Basin to the South Platte Basin.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; WY2006 is first year of published record.

GAGE.--Gumlick Tunnel water emerges on the East Slope into a covered canal. A radial gate allows flow from an 8X8 ft. opening in the canal side into the West Fork of Clear Creek drainage. Stevens Type F graphic water stage recorder at 10 Ft. Parshall flume with 5 ft. walls, in a square concrete shelter with a 12" stilling well. The gage is set to an outside staff gage on the flume. Datum of gage is 10.312.5 ft.

REMARKS.--The record is chart data maintained by Denver Water personnel. The record is complete and reliable. Hourly GH's were estimated from the chart and entered into a record spreadsheet. The record is considered good. Water was not run last year so the 2005 calendar year flows are zero. Record developed by Steve Barrett.

RATING TABLE.-- STD10FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

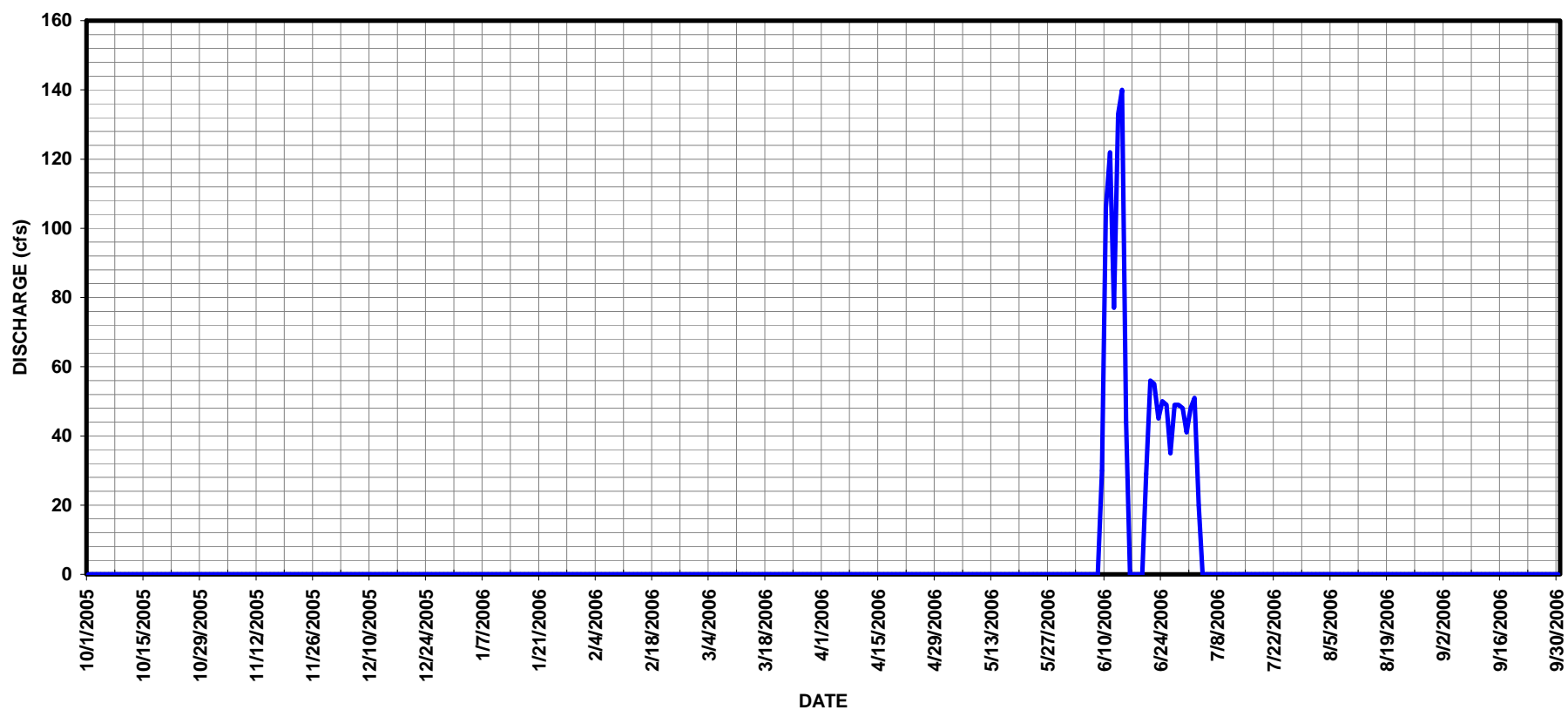
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	48	0	0
2	0	0	0	0	0	0	0	0	0	51	0	0
3	0	0	0	0	0	0	0	0	0	20	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	30	0	0	0
10	0	0	0	0	0	0	0	0	106	0	0	0
11	0	0	0	0	0	0	0	0	122	0	0	0
12	0	0	0	0	0	0	0	0	77	0	0	0
13	0	0	0	0	0	0	0	0	133	0	0	0
14	0	0	0	0	0	0	0	0	140	0	0	0
15	0	0	0	0	0	0	0	0	44	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	29	0	0	0
21	0	0	0	0	0	0	0	0	56	0	0	0
22	0	0	0	0	0	0	0	0	55	0	0	0
23	0	0	0	0	0	0	0	0	45	0	0	0
24	0	0	0	0	0	0	0	0	50	0	0	0
25	0	0	0	0	0	0	0	0	49	0	0	0
26	0	0	0	0	0	0	0	0	35	0	0	0
27	0	0	0	0	0	0	0	0	49	0	0	0
28	0	0	0	0	0	0	0	0	49	0	0	0
29	0	0	0	0	---	0	0	0	48	0	0	0
30	0	0	0	0	---	0	0	0	41	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	1158	119	0	0
MEAN	0	0	0	0	0	0	0	0	38.6	3.84	0	0
AC-FT	0	0	0	0	0	0	0	0	2300	236	0	0
MAX	0	0	0	0	0	0	0	0	140	51	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2006	TOTAL	1277	MEAN	3.5	MAX	140	MIN	0	AC-FT	2530

MAX DISCH: 161 CFS AT 17:00 ON JUNE 14, 2006 GH 2.41 FT. SHIFT 0 FT.
MAX GH: 2.41 FT. AT 17:00 ON JUNE 14, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**A.P. GUMBLICK TUNNEL (aka JONES PASS TUNNEL) RELEASE TO CLEAR CREEK NEAR JONES PASS CO
WY2006 HYDROGRAPH**



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS, CO

LOCATION.--Lat 39°37'28", long 105°47'28", sec.6, T.5 S., R.75 W., Summit County, at Argentine Pass above Keystone Ski Area.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; 1971 to present.

GAGE.--Stevens F-type recorder and digital shaft encoder mounted on a prefabricated steel three-foot Parshall flume. The flume is inside the tunnel, approximately 320 feet from the DCP. The primary reference is the flume staff. Data is logged and transmitted by a Satlink 2 high data rate data collection platform connected to a high-resolution shaft encoder.

REMARKS.--The primary record is hourly GH's taken from satellite telemetry with chart backup. The record is complete and reliable except for the period from July 3, 2006 (09:45) to July 7, 2006 (10:30), which must be considered poor. On July 7, an object was removed from the diverging section of the flume which caused a -0.10 ft. correction in gage height. Upon review, it was impossible to determine exactly when the object became lodged in the flume, so the gage height correction was applied back to the last time the gage was visited (by City of Golden personnel) on July 3. The SE float did not record zero GH during periods of no flow, so gage heights less than 0.05 were considered zero. The record is considered good, except for data from 7/3/2006 (9:45)-7/7/2006 (10:30) which is considered poor. Station maintained and record developed by Garver Brown.

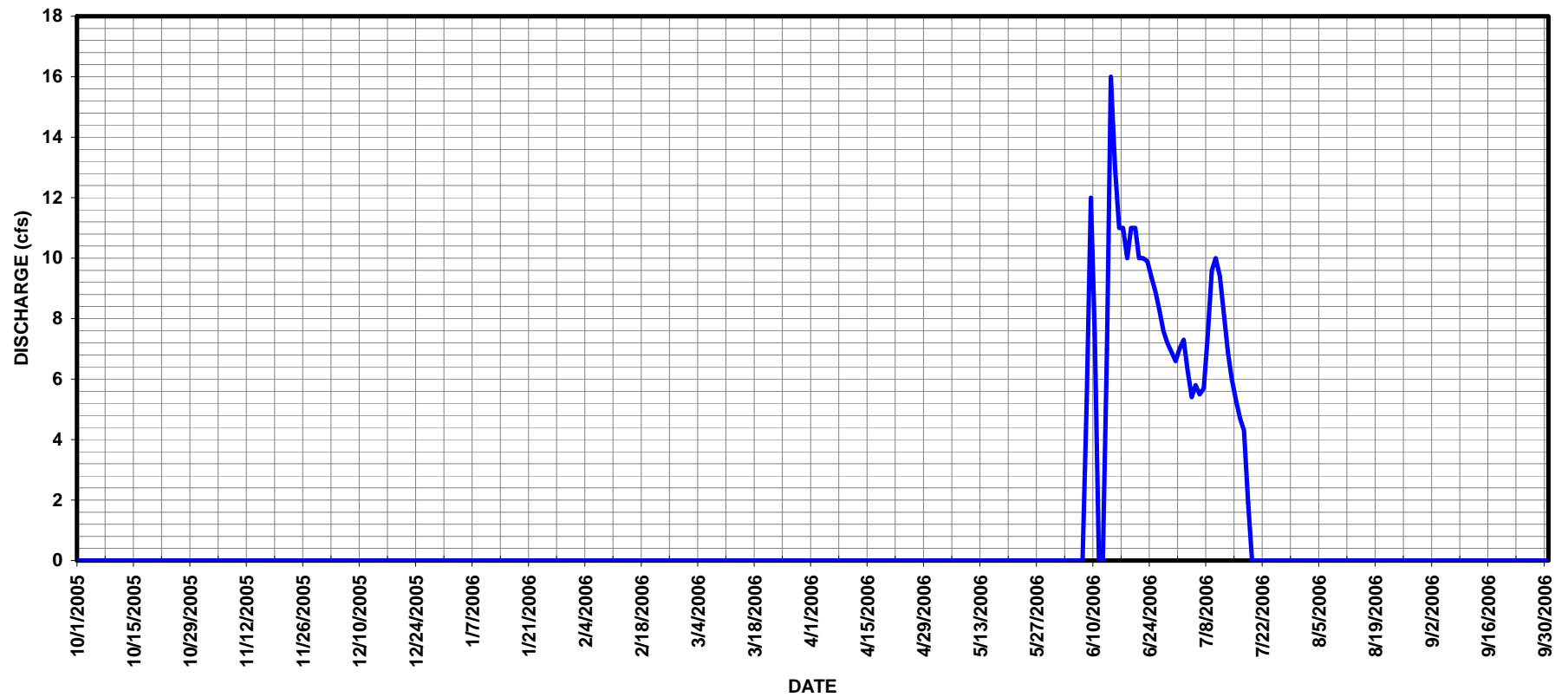
RATING TABLE.--VIDTUNCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	7	0	0
2	0	0	0	0	0	0	0	0	0	7.3	0	0
3	0	0	0	0	0	0	0	0	0	6.3	0	0
4	0	0	0	0	0	0	0	0	0	5.4	0	0
5	0	0	0	0	0	0	0	0	0	5.8	0	0
6	0	0	0	0	0	0	0	0	0	5.5	0	0
7	0	0	0	0	0	0	0	0	0	5.7	0	0
8	0	0	0	0	0	0	0	0	5.3	7.4	0	0
9	0	0	0	0	0	0	0	0	12	9.6	0	0
10	0	0	0	0	0	0	0	0	7.5	10	0	0
11	0	0	0	0	0	0	0	0	0	9.4	0	0
12	0	0	0	0	0	0	0	0	0	8.2	0	0
13	0	0	0	0	0	0	0	0	7	6.9	0	0
14	0	0	0	0	0	0	0	0	16	6	0	0
15	0	0	0	0	0	0	0	0	13	5.3	0	0
16	0	0	0	0	0	0	0	0	11	4.7	0	0
17	0	0	0	0	0	0	0	0	11	4.3	0	0
18	0	0	0	0	0	0	0	0	10	1.9	0	0
19	0	0	0	0	0	0	0	0	11	0	0	0
20	0	0	0	0	0	0	0	0	11	0	0	0
21	0	0	0	0	0	0	0	0	10	0	0	0
22	0	0	0	0	0	0	0	0	10	0	0	0
23	0	0	0	0	0	0	0	0	9.9	0	0	0
24	0	0	0	0	0	0	0	0	9.4	0	0	0
25	0	0	0	0	0	0	0	0	8.9	0	0	0
26	0	0	0	0	0	0	0	0	8.3	0	0	0
27	0	0	0	0	0	0	0	0	7.6	0	0	0
28	0	0	0	0	0	0	0	0	7.2	0	0	0
29	0	0	0	0	---	0	0	0	6.9	0	0	0
30	0	0	0	0	---	0	0	0	6.6	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	199.6	116.7	0	0
MEAN	0	0	0	0	0	0	0	0	6.65	3.76	0	0
AC-FT	0	0	0	0	0	0	0	0	396	231	0	0
MAX	0	0	0	0	0	0	0	0	16	10	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 2005	TOTAL	261.0	MEAN	.72	MAX	13	MIN	0	AC-FT	518		
WTR YR 2006	TOTAL	316.3	MEAN	.87	MAX	16	MIN	0	AC-FT	627		

MAX DISCH: 20.1 CFS AT 18:15 ON Jun. 14, 2006 GH 1.42 FT. SHIFT -0.03 FT.
MAX GH: 1.42 FT. AT 18:15 ON Jun. 14, 2006

09047300 VIDLER TUNNEL NEAR ARGENTINE PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS, CO

LOCATION.--Lat 39°47'55", long 105°46'35"; Berthoud Pass Ditch diverts water from tributaries of Fraser River between headgate in sec. 33, T. 2 S., R. 75 W., Grand County, and Berthoud Pass, in Colorado River basin, to Hoop Creek, tributary to west fork Clear Creek in sec. 10, T. 3 S., R. 75 W., in Platte River Basin.

PERIOD OF RECORD.--July 1932 to present.

GAGE.--Stevens A-35 graphic water-stage recorder mounted on 30" cutthroat flume in a 42-inch metal shelter. The stilling well has been divided to accommodate two recorders, one for Ha and one for Hb. A 3.5' staff gage was installed in the flume on June 8, 2005 and a high data rate Satlink data collection platform (DCP) and new shaft encoder were installed on July 11, 2005.

REMARKS.-- The primary record is hourly DCP data with no chart back-up. The record is complete and reliable with no missing data. The record is considered good. Station maintained and record developed by Steve Barrett.

RATING TABLE.--BERDITCO02 USED FROM 01-OCT-2004 TO 30-SEP-2005

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	5.1	5.8	1.8	.61
2	0	0	0	0	0	0	0	0	5.7	5.7	1.7	.56
3	0	0	0	0	0	0	0	0	6.2	5.8	1.8	.52
4	0	0	0	0	0	0	0	0	7.1	5.8	1.6	.51
5	0	0	0	0	0	0	0	0	7.7	5.7	1.5	.47
6	0	0	0	0	0	0	0	0	8.1	5.6	1.5	.46
7	0	0	0	0	0	0	0	0	9.0	5.6	1.3	.45
8	0	0	0	0	0	0	0	0	9.2	5.5	1.2	.51
9	0	0	0	0	0	0	0	0	8.8	5.8	1.1	.53
10	0	0	0	0	0	0	0	0	8.2	5.5	1.1	.44
11	0	0	0	0	0	0	0	0	7.9	5.3	1.1	.43
12	0	0	0	0	0	0	0	0	7.6	5.2	1.1	.39
13	0	0	0	0	0	0	0	0	7.7	4.9	1.0	.37
14	0	0	0	0	0	0	0	0	7.9	4.6	.99	.36
15	0	0	0	0	0	0	0	0	7.5	4.4	.98	.37
16	0	0	0	0	0	0	0	0	7.6	4.1	.94	.35
17	0	0	0	0	0	0	0	0	8.8	4.0	.96	.34
18	0	0	0	0	0	0	0	0	7.7	3.8	1.1	0
19	0	0	0	0	0	0	0	0	7.7	3.6	1.1	0
20	0	0	0	0	0	0	0	0	8.3	3.5	1.0	0
21	0	0	0	0	0	0	0	0	8.3	3.4	.95	0
22	0	0	0	0	0	0	0	0	7.8	3.3	.89	0
23	0	0	0	0	0	0	0	0	7.5	2.9	.88	0
24	0	0	0	0	0	0	0	0	7.4	2.5	.83	0
25	0	0	0	0	0	0	0	0	7.4	2.5	.78	0
26	0	0	0	0	0	0	0	4.1	7.0	2.3	.86	0
27	0	0	0	0	0	0	0	6.4	6.7	2.2	.76	0
28	0	0	0	0	0	0	0	6.1	6.4	2.1	.70	0
29	0	0	0	0	---	0	0	5.0	5.9	2.0	.70	0
30	0	0	0	0	---	0	0	4.4	5.7	1.9	.65	0
31	0	---	0	0	---	0	---	4.6	---	1.9	.63	---
TOTAL	0	0	0	0	0	0	0	30.6	223.9	127.2	33.50	7.67
MEAN	0	0	0	0	0	0	0	.99	7.46	4.10	1.08	.26
AC-FT	0	0	0	0	0	0	0	61	444	252	66	15
MAX	0	0	0	0	0	0	0	6.4	9.2	5.8	1.8	.61
MIN	0	0	0	0	0	0	0	0	5.1	1.9	.63	0

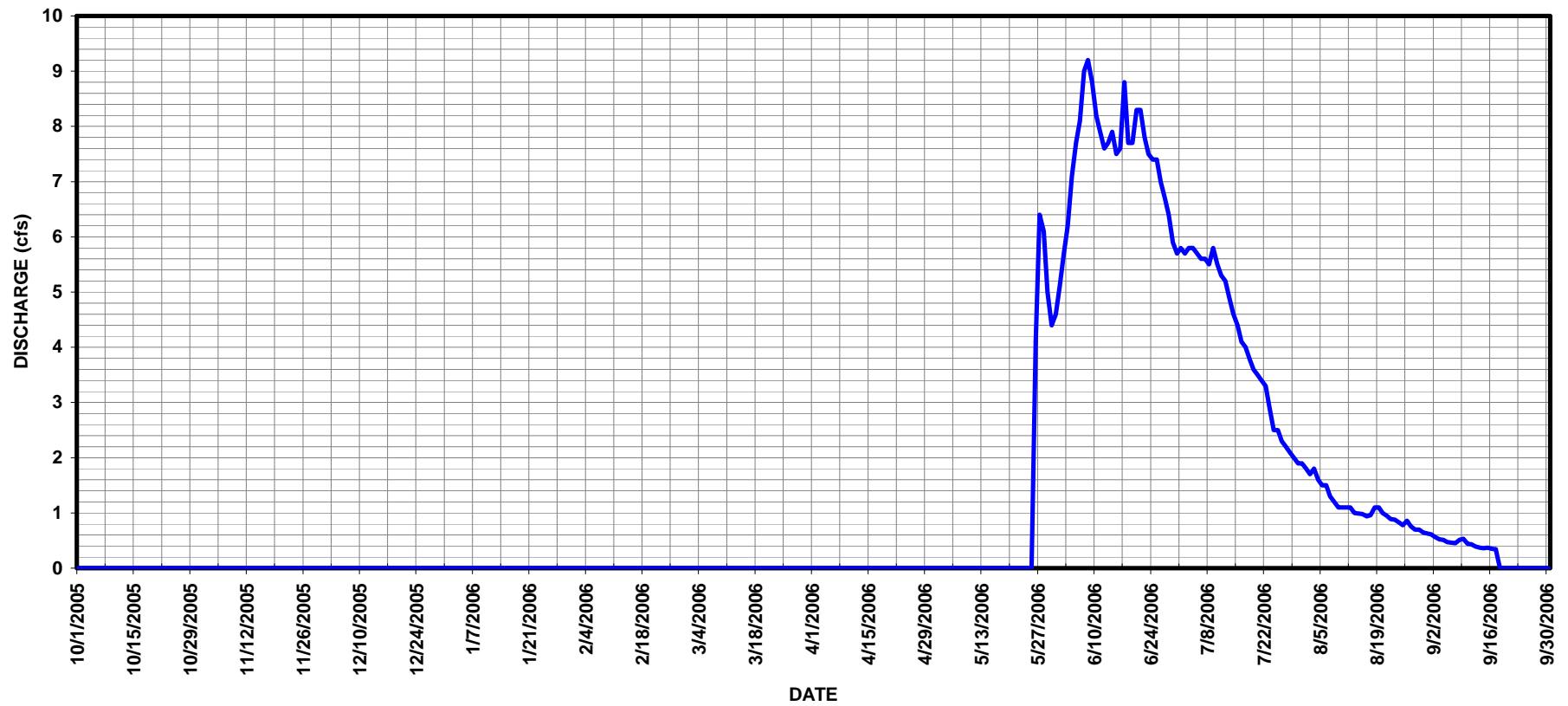
WTR YR	2005	TOTAL	403.66	MEAN	1.11	MAX	14	MIN	0	AC-FT	801
WTR YR	2006	TOTAL	422.87	MEAN	1.16	MAX	9.2	MIN	0	AC-FT	839

MAX DISCH: 10.6 CFS AT 16:45 ON Jun. 16, 2006 GH 1.17 FT. SHIFT -0.05 FT.

MAX GH: 1.17 FT. AT 16:45 ON Jun. 16, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09021500 BERTHOUD PASS DITCH AT BERTHOUD PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE, CO

LOCATION.--Lat 39°54'16", long 105°38'45"; diverts water from tributaries of William's Fork River and main stem and tributaries of Fraser River in Colorado River basin, to South Boulder Creek, in sec. 2, T.2 S., R.74 W., in Platte River basin, Gilpin County.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A; June 1936 to present.

GAGE.--Graphic water-stage recorder and satellite telemetry in a timber shelter at a concrete stilling well and 15-foot Parshall Flume. A High Data Rate Sutron 8210 having logging capability as well as telephone line access. Electric tape gage is the primary reference gage.

REMARKS.--Primary record is hourly satellite data with chart backup and is complete and reliable except of December 7-9, 2005, which were estimated due to ice in the well. Mean daily gage heights were taken from the charts on days where satellite data was missing and the range in stage was negligible. The flume is generally not subject to ice as the water was still warm from the tunnel. The graphic chart is changed weekly by Denver Water Department. Record is good with exception of December 7-9, 2005, which have been estimated and are considered poor. Station maintained and record developed by Steve Barrett.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

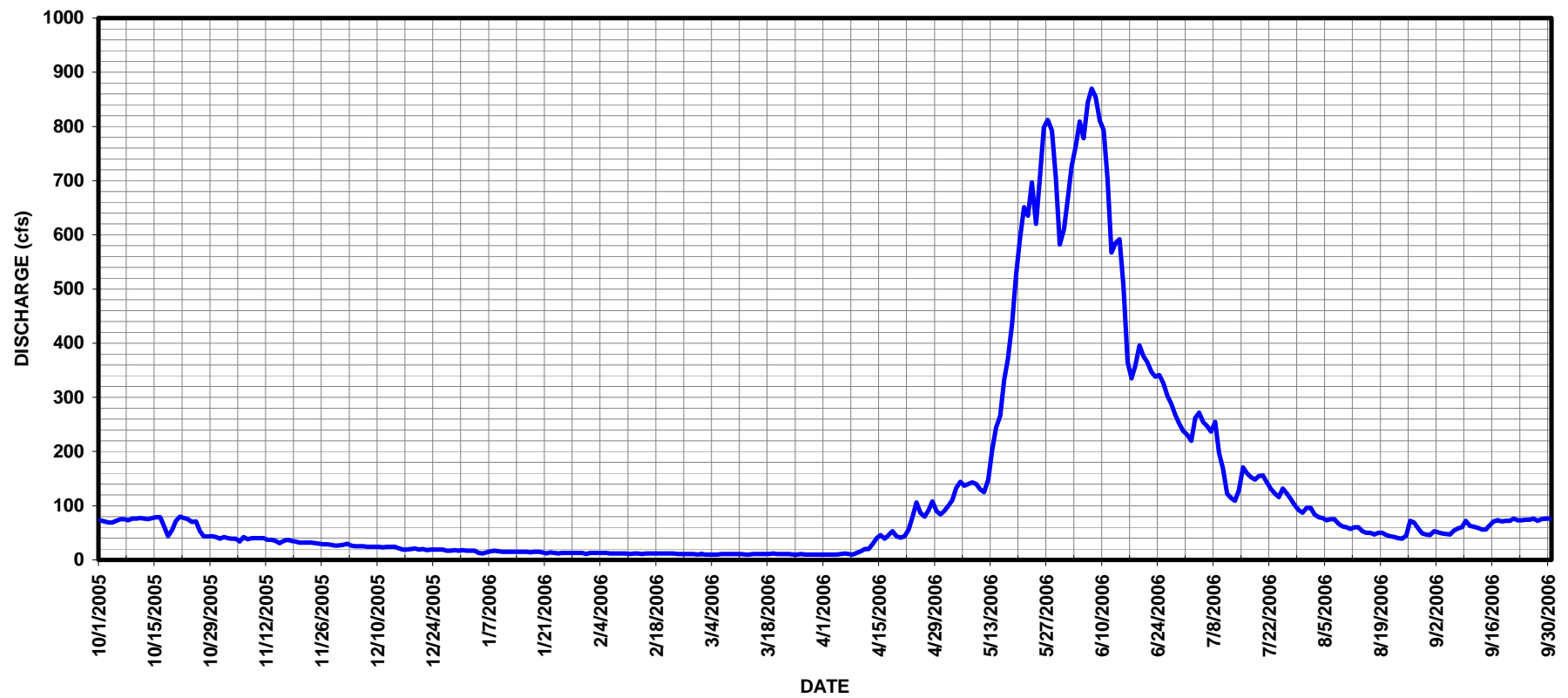
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	42	28	17	13	11	9.9	90	667	231	96	53
2	71	40	30	17	13	10	9.6	100	726	220	84	51
3	69	39	26	17	13	10	9.6	110	764	262	79	49
4	69	39	25	13	13	10	10	133	809	272	77	48
5	72	34	25	12	13	10	11	144	778	254	73	47
6	75	42	25	14	12	11	12	137	844	247	75	54
7	75	38	24	16	12	11	11	140	870	237	75	58
8	73	40	24	17	12	11	10	143	855	255	67	60
9	76	40	24	16	12	11	13	140	811	197	62	72
10	76	40	24	15	12	11	16	130	793	169	60	63
11	77	40	23	15	11	11	20	125	703	122	57	61
12	76	37	24	15	12	10	20	148	567	114	60	59
13	75	37	24	15	12	10	30	203	585	109	60	56
14	77	35	24	15	11	11	40	244	592	128	53	56
15	79	31	21	15	12	11	46	266	506	171	50	64
16	79	35	19	15	12	11	39	332	365	160	50	71
17	62	37	19	14	12	11	46	371	335	153	47	73
18	44	35	20	15	12	11	53	436	358	148	50	71
19	55	34	21	15	12	12	43	524	396	155	50	72
20	72	32	19	14	12	11	41	592	376	156	46	72
21	80	32	20	12	12	11	43	651	365	143	44	76
22	77	32	18	14	12	11	56	635	347	131	42	73
23	75	32	19	13	11	11	80	697	338	123	40	73
24	70	31	19	12	11	10	106	620	341	116	39	74
25	71	30	19	13	11	10	87	707	326	132	45	74
26	53	29	19	13	11	11	80	798	303	123	72	76
27	43	29	17	13	11	10	91	812	288	112	69	72
28	43	28	17	13	9.9	9.9	108	792	268	101	58	75
29	44	26	18	13	---	10	90	705	251	92	49	76
30	42	27	17	13	---	9.9	84	582	238	87	47	76
31	39	---	18	11	---	9.9	---	610	---	96	46	---
TOTAL	2062	1043	670	442	331.9	328.7	1315.1	12117	15765	5016	1822	1955
MEAN	67	35	22	14	11.9	10.6	43.8	391	526	162	59	65
AC-FT	4090	2070	1330	877	658	652	2610	24030	31270	9950	3610	3880
MAX	80	42	30	17	13	12	108	812	870	272	96	76
MIN	39	26	17	11	9.9	9.9	9.6	90	238	87	39	47

CAL YR	2005	TOTAL	28111.8	MEAN	76.4	MAX	590	MIN	1.6	AC-FT	55763
WTR YR	2006	TOTAL	42867.7	MEAN	117	MAX	870	MIN	9.6	AC-FT	85030

MAX DISCH: 918 CFS AT 20:15 ON Jun. 6, 2006 GH 5.57 FT. SHIFT 0.06 FT.
MAX GH: 5.57 FT. AT 20:15 ON Jun. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09022500 EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09013000 ALVA B. ADAMS TUNNEL (NET) AT EAST PORTAL NEAR ESTES PARK, CO

LOCATION.--Lat 40°19'40", long 105°34'39", in NW¼ sec. 9, T.3 N., R.75 W.

GAGE.--Graphic water-stage recorder and hourly transmitted Satellite Monitoring Data Collection Platform (DCP) in a rectangular concrete shelter and concrete H_a / H_b well on a 15-foot Parshall flume. Gage is equipped electric tape gages on both H_a and H_b wells. A supplementary staff gage is located on the left wing wall of the flume. The Sutron Analog shaft encoder was replaced this year with a Design Analysis H-334 shaft encoder on 7/17/2006. The DCP is the primary record having a graphical chart recorder as backup.

REMARKS.--Primary record is hourly data, taken from satellite monitoring with chart back up. The record is complete and reliable. In the winter months a bubble device is used to keep the well open. Accuracy may be affected by the bubbler. Zero flow is determined operationally. Small residual flows draining through the flume after the tunnel is turned off were considered to be zero. Flows counted as zero occurred on October 16 thru December 4, 2005 (Zero Flow Observed on November 3, 2005); May 20-22, 2006; May 24th, 2006; May 26-27, 2006, and June 7th, 2006. Record is good. Beginning in the 2000 water year, ADANETCO (West slope delivery only) has been published to provide the west slope delivery on a daily basis. Wind River skim flows are subtracted from flow into the Adams Parshall to arrive at ADANETCO discharges. The Wind River diversion is computed using the records for Wind River above Adams Tunnel (WINDESCO) and Wind River below Adams Tunnel (WINBYPCO). Wind River skimming operations did not occur this year due to low flows experienced this season therefore, ADATUNCO equals ADANETCO. Station maintained by USBR personnel and record developed by Russell Stroud.

RATING TABLE.--ADATUNCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

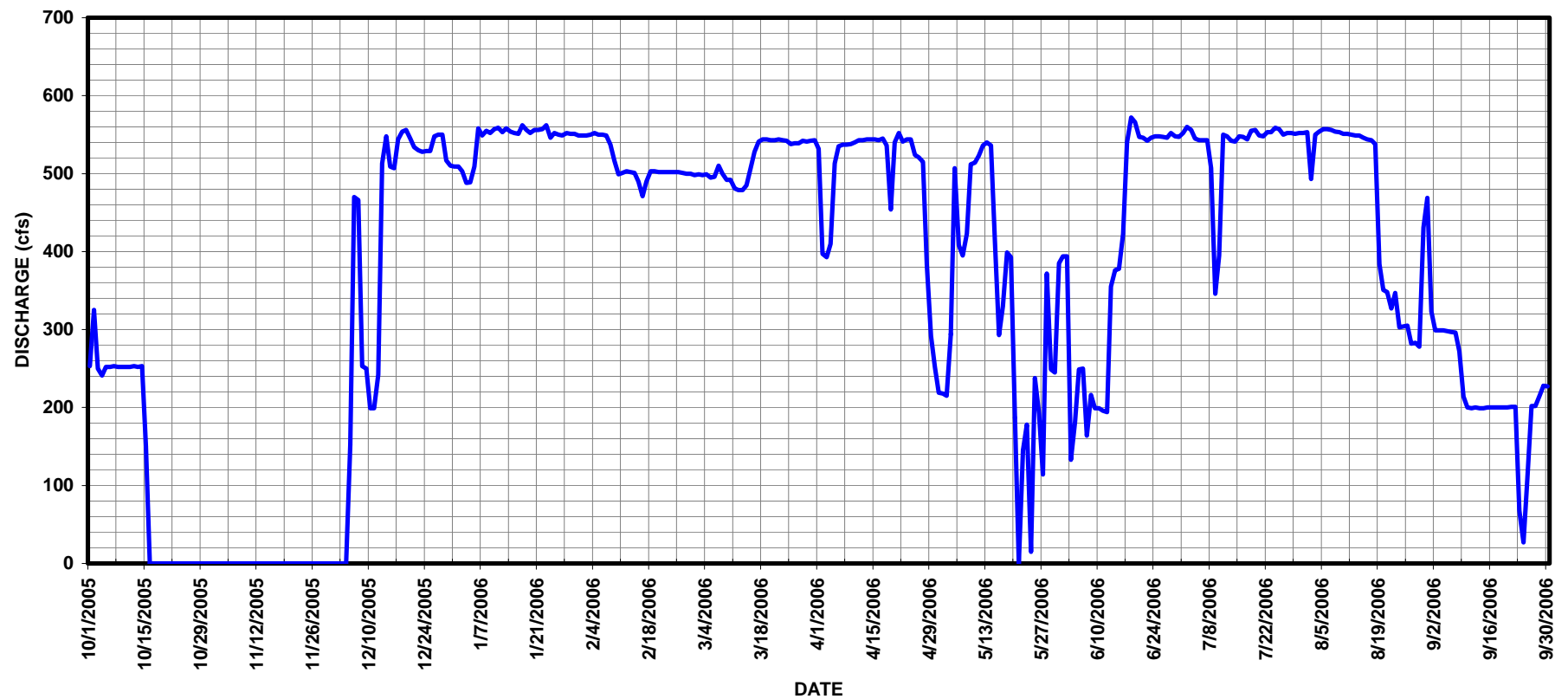
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	0	0	509	549	498	532	219	394	552	553	323
2	325	0	0	503	549	499	397	218	394	560	493	299
3	250	0	0	488	550	498	393	215	133	556	550	299
4	241	0	0	489	552	499	410	294	182	545	554	299
5	252	0	152	509	550	495	513	507	249	543	557	298
6	252	0	470	558	550	496	535	408	250	543	557	297
7	253	0	466	549	549	510	537	395	164	543	556	296
8	252	0	253	555	537	500	537	423	216	507	554	272
9	252	0	250	552	517	492	538	512	199	346	553	214
10	252	0	199	557	499	492	540	514	199	395	551	200
11	252	0	199	559	501	481	543	523	196	550	551	199
12	253	0	242	553	503	479	543	536	194	548	550	200
13	252	0	513	558	502	479	544	540	355	542	549	199
14	253	0	548	554	501	485	544	536	376	541	549	199
15	150	0	509	552	490	507	544	415	378	548	546	200
16	0	0	507	551	471	528	543	293	423	547	544	200
17	0	0	544	562	490	541	545	330	540	544	543	200
18	0	0	554	556	503	544	536	399	572	555	538	200
19	0	0	556	552	503	544	454	393	566	556	384	200
20	0	0	545	556	502	543	540	187	547	549	351	200
21	0	0	534	556	502	543	552	0	546	548	348	201
22	0	0	530	557	502	544	541	145	542	553	327	201
23	0	0	528	562	502	543	544	178	546	553	347	68
24	0	0	529	546	502	542	544	15	548	559	303	27
25	0	0	529	552	502	538	524	238	548	557	304	109
26	0	0	548	550	501	539	521	192	547	550	305	202
27	0	0	550	549	500	539	515	114	546	552	282	202
28	0	0	550	552	500	542	383	372	552	552	283	215
29	0	0	517	551	---	541	292	249	548	551	278	228
30	0	0	510	551	---	542	252	245	547	552	431	227
31	0	---	509	549	---	543	---	385	---	552	469	---
TOTAL	3742	0	12341	16897	14379	16066	14936	9990	11997	16649	14260	6474
MEAN	121	0	398	545	514	518	498	322	400	537	460	216
AC-FT	7420	0	24480	33520	28520	31870	29630	19820	23800	33020	28280	12840
MAX	325	0	556	562	552	544	552	540	572	560	557	323
MIN	0	0	0	488	471	479	252	0	133	346	278	27

CAL YR	2005	TOTAL	77460	MEAN	213	MAX	556	MIN	0	AC-FT	153650
WTR YR	2006	TOTAL	137731	MEAN	377	MAX	572	MIN	0	AC-FT	273200

MAX DISCH: 612 CFS AT 02:00 ON Jun. 19, 2006 GH 4.37 FT. SHIFT 0 FT.
MAX GH: 4.37 FT. AT 02:00 ON Jun. 19, 2006

09013000 ALVA B. ADAMS TUNNEL (NET) AT EAST PORTAL NEAR ESTES PARK CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

09010000 GRAND RIVER DITCH AT LA POUDRE PASS, CO

LOCATION.--Lat 40°28'22", long 105°49'17", in NW¼ sec. 21, T.6 N., R.75 W., in Platte River Basin, to La Poudre Pass Creek, tributary to Cache La Poudre River.

GAGE.--F-type water stage recorder with satellite telemetry. The wooden station is located at a 10 foot Parshall flume. A drop tape is the primary reference.

REMARKS.--The primary record is hourly data, taken from satellite monitoring with chart backup. The record is complete and reliable, except for the following periods: October 9-11, 2005, when the stage-discharge relationship was affected by ice; May 1-16, 2006 due to ice, flows could not be equated to gage heights. Chart recorder was installed on May 16, 2006, but the flume was mostly full of ice with water running under and on top of the ice. May 17-19, 2006 was taken from chart record and had possible ice effect. Satellite equipment was installed on May 19, 2006 and the flume was open and running clear of ice. The record is good, except for the estimated days of May 17-19, 2006, which are fair due to possible ice and October 9-11, 2005 and May 1-16, 2006, which are poor due to ice. The record is prepared by Mark Simpson and Lee Cuning, with the help from the district water commissioners.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

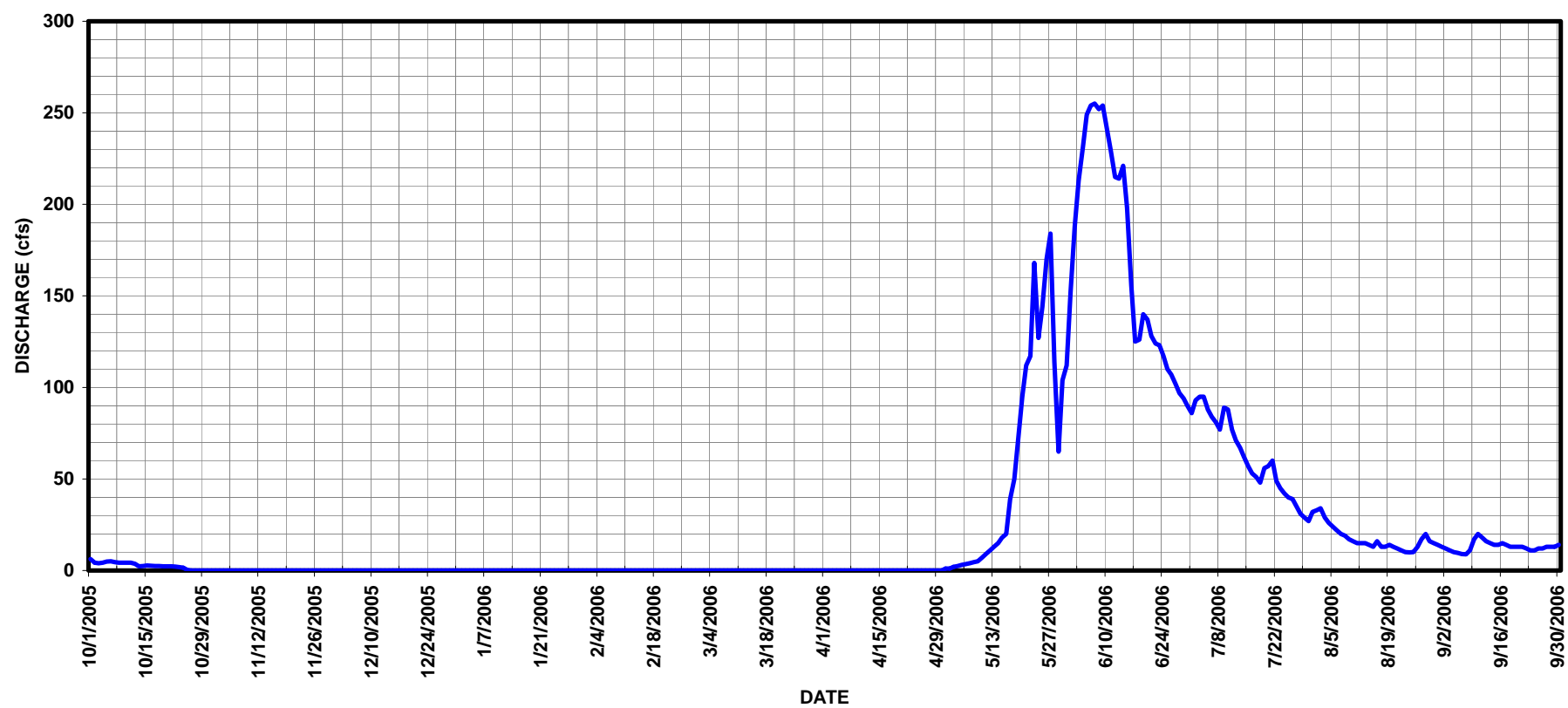
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	0	0	0	0	0	0	1.0	152	86	33	13
2	4.2	0	0	0	0	0	0	1.0	188	93	34	12
3	4.0	0	0	0	0	0	0	2.0	213	95	29	11
4	4.3	0	0	0	0	0	0	2.5	231	95	26	10
5	4.9	0	0	0	0	0	0	3.0	249	88	24	9.6
6	5.0	0	0	0	0	0	0	3.5	254	84	22	9.0
7	4.6	0	0	0	0	0	0	4.0	255	81	20	8.8
8	4.2	0	0	0	0	0	0	4.5	252	77	19	11
9	4.3	0	0	0	0	0	0	5.0	254	89	17	17
10	4.3	0	0	0	0	0	0	7.0	241	88	16	20
11	4.3	0	0	0	0	0	0	9.0	229	77	15	18
12	3.7	0	0	0	0	0	0	11	215	71	15	16
13	2.3	0	0	0	0	0	0	13	214	67	15	15
14	2.5	0	0	0	0	0	0	15	221	62	14	14
15	2.7	0	0	0	0	0	0	18	198	57	13	14
16	2.6	0	0	0	0	0	0	20	156	53	16	15
17	2.5	0	0	0	0	0	0	39	125	51	13	14
18	2.4	0	0	0	0	0	0	50	126	48	13	13
19	2.3	0	0	0	0	0	0	72	140	56	14	13
20	2.3	0	0	0	0	0	0	95	137	57	13	13
21	2.3	0	0	0	0	0	0	112	128	60	12	13
22	2.1	0	0	0	0	0	0	117	124	49	11	12
23	1.8	0	0	0	0	0	0	168	123	45	10	11
24	1.5	0	0	0	0	0	0	127	117	42	9.9	11
25	.26	0	0	0	0	0	0	144	110	40	10	12
26	0	0	0	0	0	0	0	170	107	39	13	12
27	0	0	0	0	0	0	0	184	102	35	17	13
28	0	0	0	0	0	0	0	114	97	31	20	13
29	0	0	0	0	---	0	0	65	94	29	16	13
30	0	0	0	0	---	0	0	104	90	27	15	14
31	0	---	0	0	---	0	---	112	---	32	14	---
TOTAL	81.56	0	0	0	0	0	0	1792.5	5142	1904	528.9	390.4
MEAN	2.63	0	0	0	0	0	0	57.8	171	61.4	17.1	13.0
AC-FT	162	0	0	0	0	0	0	3560	10200	3780	1050	774
MAX	6.2	0	0	0	0	0	0	184	255	95	34	20
MIN	0	0	0	0	0	0	0	1.0	90	27	9.9	8.8

CAL YR	2005	TOTAL	10673.46	MEAN	31.8	MAX	244	MIN	0	AC-FT	21176
WTR YR	2006	TOTAL	9839.36	MEAN	27	MAX	255	MIN	0	AC-FT	19520

MAX DISCH: 276 CFS AT 18:30 ON Jun. 8, 2006 GH 3.38 FT. SHIFT 0 FT.
MAX GH: 3.38 FT. AT 18:30 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09010000 GRAND RIVER DITCH AT LA POUDRE PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06745500 CAMERON PASS DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'32"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache La Poudre River) in sec. 2, T.6 N., R.76 W.

GAGE.--F-type graphic water-stage recorder at a 2 foot Parshall flume with staff gage inside the stilling well in a wooden shelter.

REMARKS.--Primary record is mean daily chart values. These charts are worked by the District 3 deputy water commissioner Mark Simpson and checked by Lee Cuning. The record is complete and reliable, except for May 26, 2006, which was affected by ice. The pen lifted off the chart June 14-20, 2006 and the record had to be estimated. Record is good, except May 26, 2006, due to ice in the flume, which is considered fair, and June 14-20, 2006, which is estimated and considered poor. Water was run from May 26 until June 27, 2006. Record developed by Mark Simpson and Lee Cuning.

RATING TABLE.--CAPDCPC001 USED FROM 01-OCT-2005 TO 30-SEP-2006

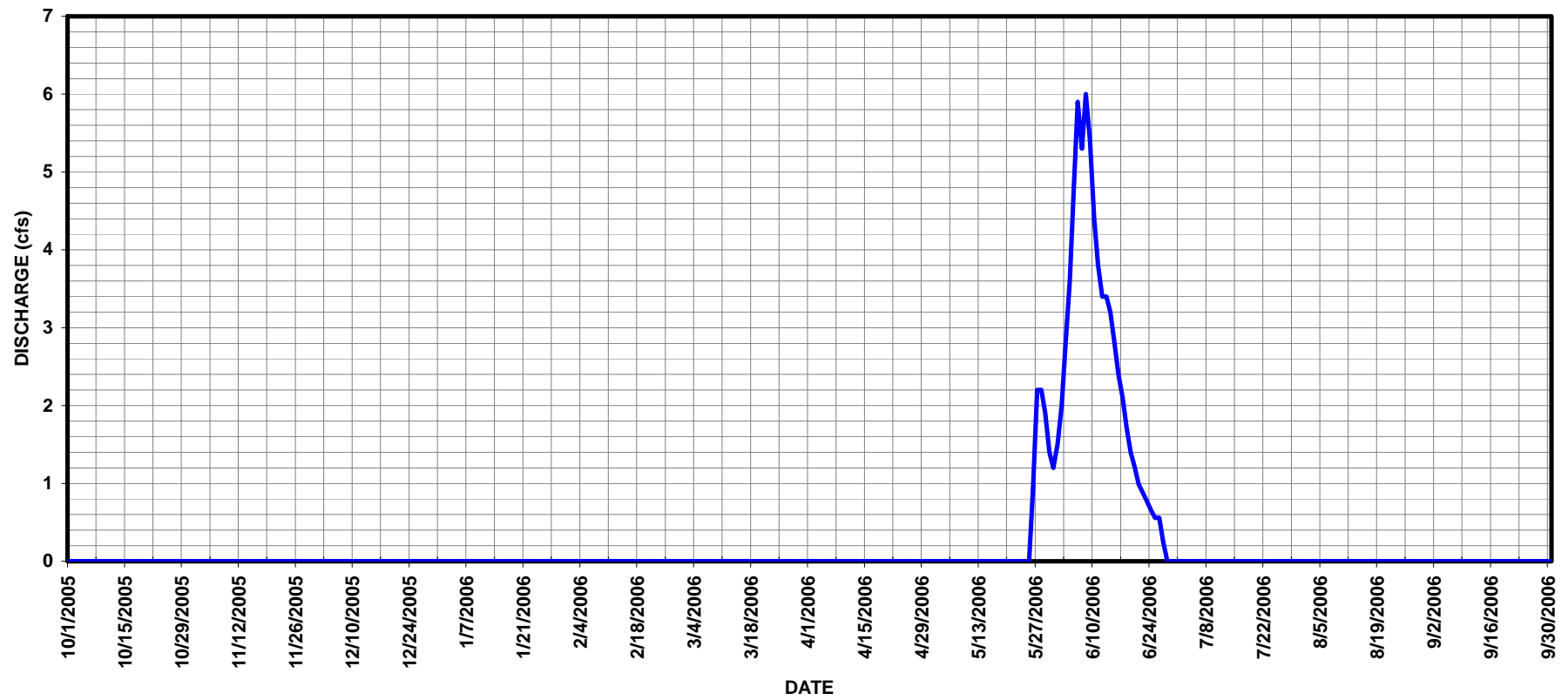
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.5	0	0	0
2	0	0	0	0	0	0	0	0	2.0	0	0	0
3	0	0	0	0	0	0	0	0	2.8	0	0	0
4	0	0	0	0	0	0	0	0	3.6	0	0	0
5	0	0	0	0	0	0	0	0	4.8	0	0	0
6	0	0	0	0	0	0	0	0	5.9	0	0	0
7	0	0	0	0	0	0	0	0	5.3	0	0	0
8	0	0	0	0	0	0	0	0	6.0	0	0	0
9	0	0	0	0	0	0	0	0	5.4	0	0	0
10	0	0	0	0	0	0	0	0	4.4	0	0	0
11	0	0	0	0	0	0	0	0	3.8	0	0	0
12	0	0	0	0	0	0	0	0	3.4	0	0	0
13	0	0	0	0	0	0	0	0	3.4	0	0	0
14	0	0	0	0	0	0	0	0	3.2	0	0	0
15	0	0	0	0	0	0	0	0	2.8	0	0	0
16	0	0	0	0	0	0	0	0	2.4	0	0	0
17	0	0	0	0	0	0	0	0	2.1	0	0	0
18	0	0	0	0	0	0	0	0	1.7	0	0	0
19	0	0	0	0	0	0	0	0	1.4	0	0	0
20	0	0	0	0	0	0	0	0	1.2	0	0	0
21	0	0	0	0	0	0	0	0	.99	0	0	0
22	0	0	0	0	0	0	0	0	.88	0	0	0
23	0	0	0	0	0	0	0	0	.77	0	0	0
24	0	0	0	0	0	0	0	0	.66	0	0	0
25	0	0	0	0	0	0	0	0	.56	0	0	0
26	0	0	0	0	0	0	0	.93	.56	0	0	0
27	0	0	0	0	0	0	0	2.2	.25	0	0	0
28	0	0	0	0	0	0	0	2.2	0	0	0	0
29	0	0	0	0	---	0	0	1.9	0	0	0	0
30	0	0	0	0	---	0	0	1.4	0	0	0	0
31	0	---	0	0	---	0	---	1.2	---	0	0	---
TOTAL	0	0	0	0	0	0	0	9.83	71.77	0	0	0
MEAN	0	0	0	0	0	0	0	.32	2.39	0	0	0
AC-FT	0	0	0	0	0	0	0	19	142	0	0	0
MAX	0	0	0	0	0	0	0	2.2	6.0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 2005	TOTAL	89.3	MEAN	.25	MAX	6.3	MIN	0	AC-FT	177		
WTR YR 2006	TOTAL	81.6	MEAN	.22	MAX	6.0	MIN	0	AC-FT	162		

MAX DISCH: 7.15 CFS AT 19:00 ON Jun. 8, 2006 GH 0.93 FT. SHIFT 0 FT.
MAX GH: 0.93 FT. AT 19:00 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06745500 CAMERON PASS DITCH AT CAMERON PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746000 MICHIGAN DITCH AT CAMERON PASS, CO

LOCATION.--Lat 40°31'14", long 105°53'30"; Diverts water from Michigan River and tributaries, to Joe Wright Creek (tributary to Cache la Poudre River) in sec. 2, T.6 N., R. 76 W.

GAGE.--Weekly graphic water-stage recorder and satellite monitoring equipment in a log shelter with a PVC well at co-located 9-inch and 8 foot Parshall flumes. An inside electric tape to the stilling well is the primary reference gage. The 9-inch Parshall sits side by side with the 8-foot flume, allowing winter and low flows (flows below about 4.5 cfs) to be measured. Two tables are used and the crest height for both flumes is tied to the electric tape, as both flumes share a common stilling well.

REMARKS.--Hourly averages taken from satellite monitoring. Periods of use for each flume were: October 1, 2005-May 15, 2006, 9-inch Parshall; May 15-June 10, 2006, 8-foot Parshall; June 10-July 8, 2006 the ditch was off; July 8-Sept. 13, 2006, 8-foot Parshall; Sept. 13-30, 2006, 9-inch Parshall. The period of May 14, 2006 at 1600 hours through May 15, 2006 at 0400 hours was over the maximum 2.0 ft gage height reading on the standard 9-inch Parshall Flume rating table. The record is complete and reliable, except for the periods December 14, 2005-March 16, 2006, and March 23-April 17, 2006, when the 9-inch Parshall was affected by a backwater condition from ice jams downstream. The record is considered good, except for December 14, 2005-March 16, 2006 and March 23-April 17, 2006, which were estimated backwater days and are considered poor; and, flows above 6.24 cfs, which occurred May 14 (15:00) through May 15 (05:00), and are considered fair. Station maintained and record developed by Lee Cunning.

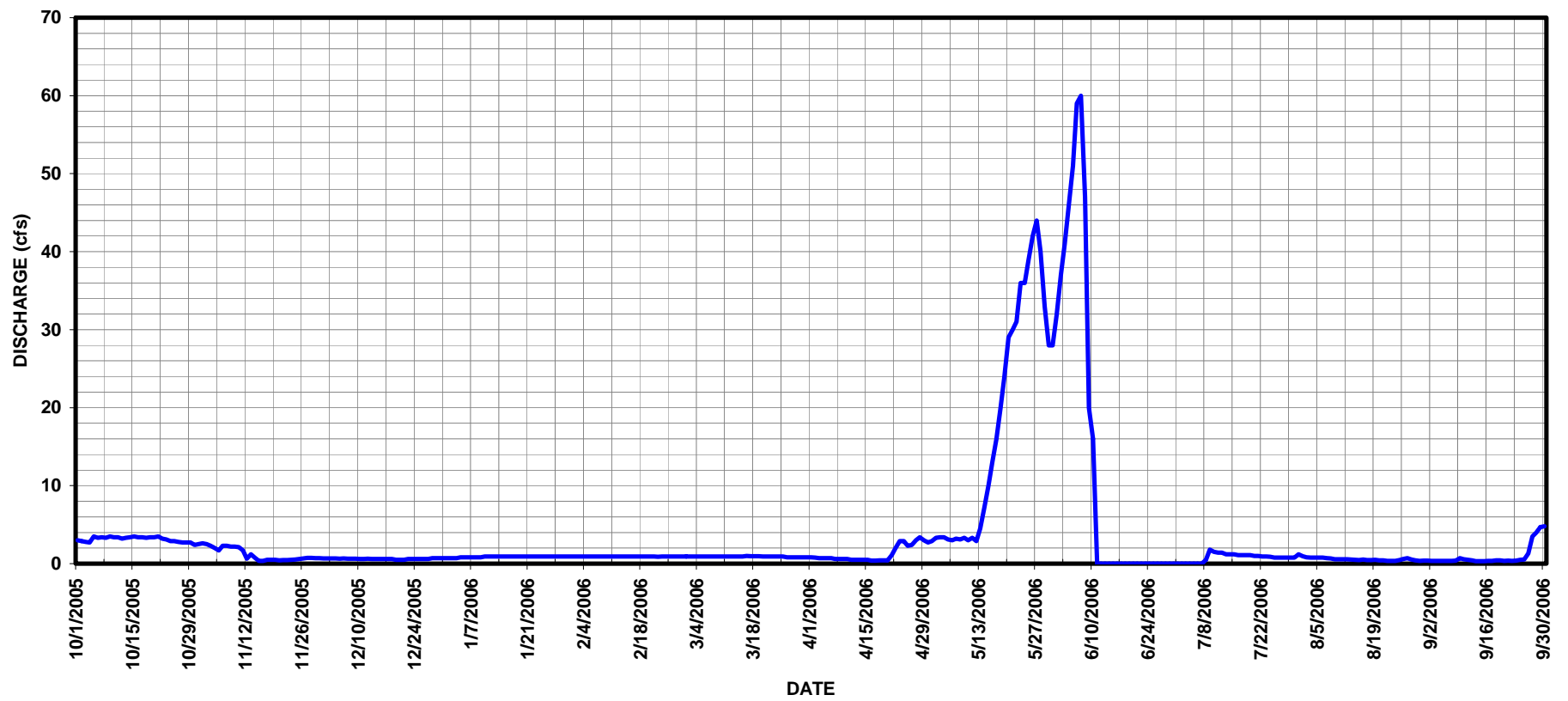
RATING TABLE.--STD09INPF USED FROM 01-OCT-2005 TO 15-MAY-2006
 STD08FTPF USED FROM 15-MAY-2006 TO 13-SEP-2006
 STD09INPF USED FROM 13-SEP-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	2.6	.67	.70	.90	.90	.80	2.9	32	0	.95	.39
2	2.9	2.5	.67	.70	.90	.90	.77	3.3	37	0	.81	.37
3	2.8	2.3	.67	.70	.90	.90	.70	3.4	41	0	.79	.36
4	2.7	2.0	.67	.80	.90	.90	.70	3.4	46	0	.77	.36
5	3.5	1.7	.65	.80	.90	.90	.70	3.1	51	0	.79	.35
6	3.3	2.3	.66	.80	.90	.90	.70	3.0	59	0	.76	.35
7	3.4	2.3	.64	.80	.90	.90	.60	3.2	60	0	.69	.35
8	3.3	2.2	.63	.80	.90	.90	.60	3.1	47	.48	.66	.40
9	3.5	2.2	.62	.80	.90	.90	.60	3.3	20	1.8	.55	.70
10	3.4	2.1	.61	.90	.90	.90	.60	3.0	16	1.5	.55	.56
11	3.4	1.7	.61	.90	.90	.90	.50	3.3	0	1.4	.55	.50
12	3.2	.64	.62	.90	.90	.90	.50	2.9	0	1.4	.57	.43
13	3.3	1.2	.61	.90	.90	.90	.50	4.5	0	1.2	.52	.32
14	3.4	.75	.60	.90	.90	.90	.50	7.2	0	1.2	.50	.30
15	3.5	.36	.60	.90	.90	.90	.50	10	0	1.2	.47	.33
16	3.4	.36	.60	.90	.90	1.0	.40	13	0	1.1	.52	.35
17	3.4	.49	.60	.90	.90	.95	.40	16	0	1.1	.46	.35
18	3.3	.51	.60	.90	.90	.95	.41	20	0	1.1	.45	.41
19	3.4	.49	.50	.90	.90	.96	.41	24	0	1.1	.51	.44
20	3.4	.44	.50	.90	.90	.91	.44	29	0	1.0	.44	.37
21	3.5	.45	.50	.90	.90	.90	1.1	30	0	1.0	.42	.39
22	3.2	.47	.60	.90	.88	.91	2.0	31	0	.92	.35	.37
23	3.1	.50	.60	.90	.90	.90	2.9	36	0	.92	.35	.39
24	2.9	.53	.60	.90	.90	.90	2.9	36	0	.88	.35	.48
25	2.9	.60	.60	.90	.90	.90	2.3	39	0	.79	.45	.54
26	2.8	.67	.60	.90	.90	.80	2.4	42	0	.79	.60	1.3
27	2.7	.74	.60	.90	.90	.80	3.0	44	0	.79	.69	3.5
28	2.7	.73	.70	.90	.90	.80	3.4	40	0	.79	.54	4.0
29	2.7	.69	.70	.90	---	.80	3.0	33	0	.76	.42	4.7
30	2.4	.69	.70	.90	---	.80	2.7	28	0	.78	.37	4.8
31	2.5	---	.70	.90	---	.80	---	28	---	1.2	.40	---
TOTAL	96.9	35.21	19.23	26.70	25.18	27.58	37.03	548.6	409	25.20	17.25	28.46
MEAN	3.13	1.17	.62	.86	.90	.89	1.23	17.7	13.6	.81	.56	.95
AC-FT	192	70	38	53	50	55	73	1090	811	50	34	56
MAX	3.5	2.6	.70	.90	.90	1.0	3.4	44	60	1.8	.95	4.8
MIN	2.4	.36	.50	.70	.88	.80	.40	2.9	0	0	.35	.30

CAL YR 2005 TOTAL 2863.34 MEAN 7.84 MAX 46 MIN 0.36 AC-FT 5679
 WTR YR 2006 TOTAL 1296.34 MEAN 3.55 MAX 60 MIN 0.00 AC-FT 2570
 MAX DISCH: 66.10 CFS AT 19:15 ON June 6, 2006 GH 1.57 FT. SHIFT 0 FT.
 MAX GH: 1.57 FT. AT 19:15 ON June 6, 2006

06746000 MICHIGAN DITCH AT CAMERON PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°39'50", long 105°53'10"; Diverts water from West Branch Laramie River, to Chambers Lake (tributary to Cache la Poudre River) in sec. 31, T.8 N., R.75 W.

GAGE.--F-type graphic water-stage recorder at 10' Parshall flume. A drop tape inside the well is the primary reference.

REMARKS.--The primary record is mean daily gage heights taken from the chart recorder. This is the only source. The charts are worked by the District 3 water commissioner and checked by hydrographer. July 25, 2006 and before the gage was shut down on July 26, 2006 the pen was not down on the recorder and no gage height was recorded. Gage height from July 25 was held constant until shutdown on July 26, so no loss of record occurred. This year's short run was a result of the Laramie Poudre Tunnel being shut down a little early and the Laramie River Quota was finished out using the Skyline Ditch. Record is good. Water was run July 12-26, 2006. Skyline has not run water since WY 2001, so the 2005 calendar year is zero. Station maintained and record developed by Lee Cunning.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

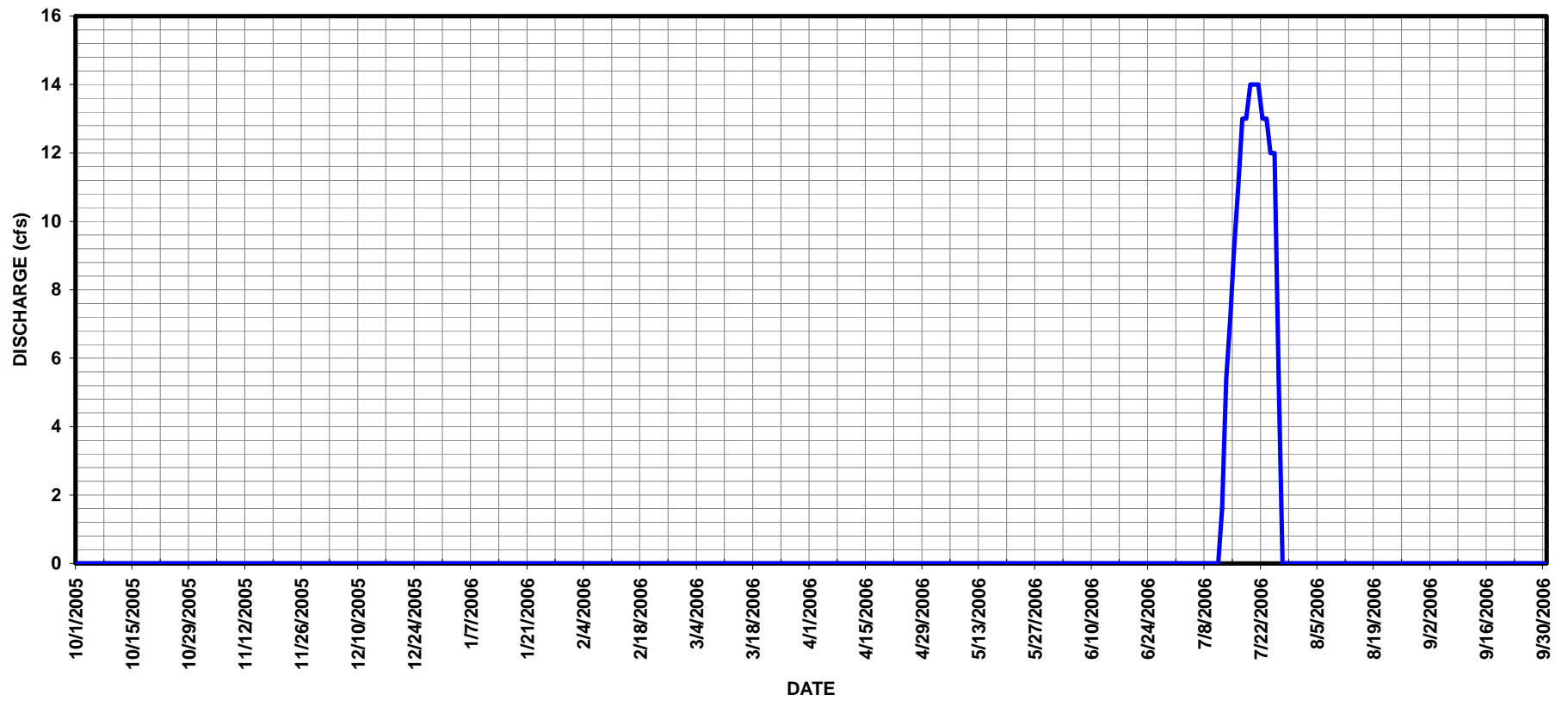
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1.6	0	0
13	0	0	0	0	0	0	0	0	0	5.4	0	0
14	0	0	0	0	0	0	0	0	0	7.2	0	0
15	0	0	0	0	0	0	0	0	0	9.2	0	0
16	0	0	0	0	0	0	0	0	0	11	0	0
17	0	0	0	0	0	0	0	0	0	13	0	0
18	0	0	0	0	0	0	0	0	0	13	0	0
19	0	0	0	0	0	0	0	0	0	14	0	0
20	0	0	0	0	0	0	0	0	0	14	0	0
21	0	0	0	0	0	0	0	0	0	14	0	0
22	0	0	0	0	0	0	0	0	0	13	0	0
23	0	0	0	0	0	0	0	0	0	13	0	0
24	0	0	0	0	0	0	0	0	0	12	0	0
25	0	0	0	0	0	0	0	0	0	12	0	0
26	0	0	0	0	0	0	0	0	0	5.4	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	157.8	0	0
MEAN	0	0	0	0	0	0	0	0	0	5.09	0	0
AC-FT	0	0	0	0	0	0	0	0	0	313	0	0
MAX	0	0	0	0	0	0	0	0	0	14	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2006	TOTAL	157.8	MEAN	.43	MAX	14	MIN	0	AC-FT	313

MAX DISCH: 15.6 CFS AT 23:45 ON Jul. 20, 2006 GH 0.56 FT. SHIFT 0 FT.
MAX GH: 0.56 FT. AT 23:45 ON Jul. 20, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06746500 SKYLINE DITCH NEAR CHAMBERS LAKE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE, CO

LOCATION.--Lat 40°40'34", long 105°50'49"; Laramie-Poudre tunnel diverts water from Laramie River and tributaries to Cache la Poudre River in sec 9, T.8 N., R.75 W.

GAGE.--F-type graphic water stage recorder with satellite telemetry at a 10 foot Parshall flume. The gage is referenced with a drop tape from an inside reference point. Supplemental outside staff gage.

REMARKS.--Primary record is hourly GH's, taken from satellite monitoring with chart back up. The record is complete and reliable. The DCP was installed on April 18, 2006, because it was anticipated the tunnel turning on early. The DCP ran perfectly all summer. Record is good. Station maintained and record developed by Mark Simpson.

RATING TABLE.--STD10FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

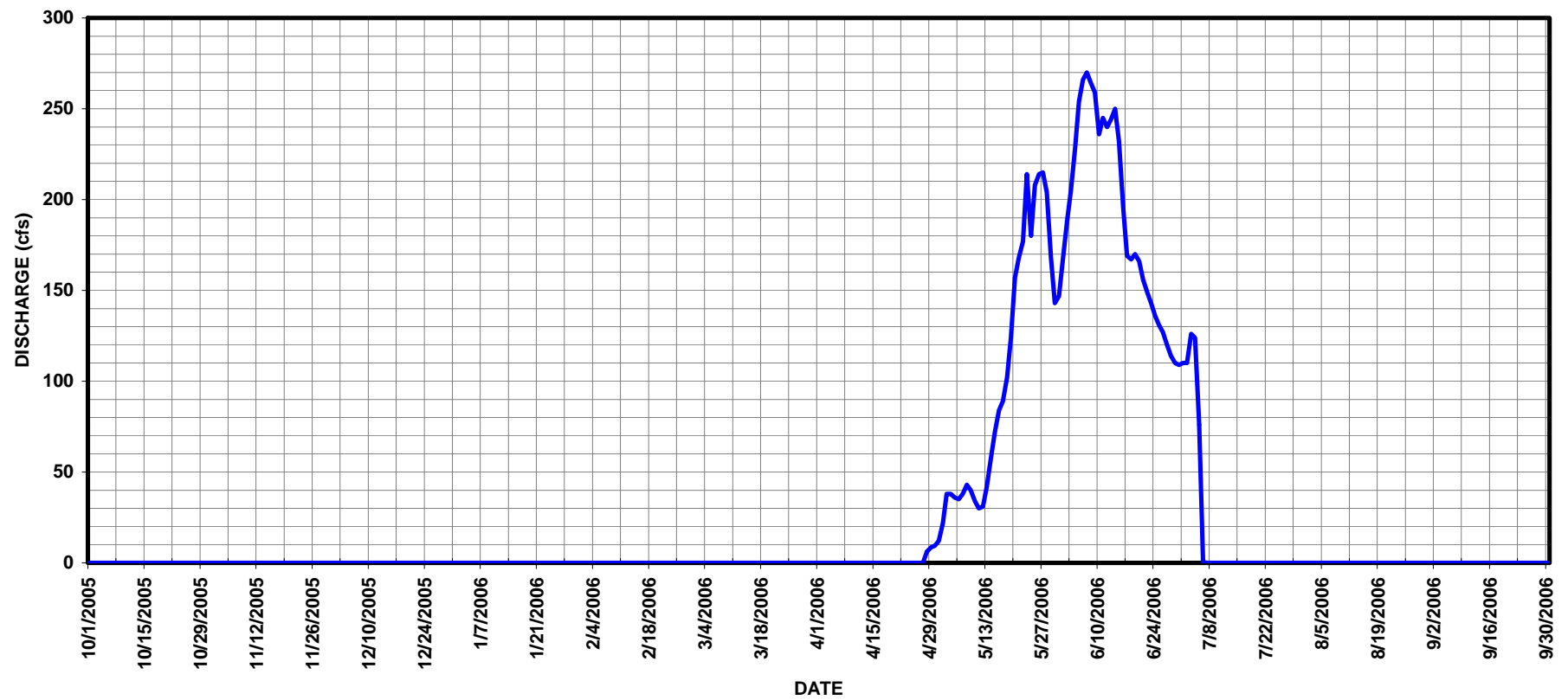
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	12	167	110	0	0
2	0	0	0	0	0	0	0	22	188	110	0	0
3	0	0	0	0	0	0	0	38	205	126	0	0
4	0	0	0	0	0	0	0	38	228	124	0	0
5	0	0	0	0	0	0	0	36	254	76	0	0
6	0	0	0	0	0	0	0	35	266	.52	0	0
7	0	0	0	0	0	0	0	38	270	0	0	0
8	0	0	0	0	0	0	0	43	264	0	0	0
9	0	0	0	0	0	0	0	40	259	0	0	0
10	0	0	0	0	0	0	0	34	236	0	0	0
11	0	0	0	0	0	0	0	30	245	0	0	0
12	0	0	0	0	0	0	0	31	240	0	0	0
13	0	0	0	0	0	0	0	42	244	0	0	0
14	0	0	0	0	0	0	0	58	250	0	0	0
15	0	0	0	0	0	0	0	72	232	0	0	0
16	0	0	0	0	0	0	0	84	196	0	0	0
17	0	0	0	0	0	0	0	89	169	0	0	0
18	0	0	0	0	0	0	0	102	167	0	0	0
19	0	0	0	0	0	0	0	124	170	0	0	0
20	0	0	0	0	0	0	0	157	166	0	0	0
21	0	0	0	0	0	0	0	168	156	0	0	0
22	0	0	0	0	0	0	0	177	149	0	0	0
23	0	0	0	0	0	0	0	214	143	0	0	0
24	0	0	0	0	0	0	0	180	136	0	0	0
25	0	0	0	0	0	0	0	208	131	0	0	0
26	0	0	0	0	0	0	0	214	127	0	0	0
27	0	0	0	0	0	0	0	215	120	0	0	0
28	0	0	0	0	0	0	6.1	204	114	0	0	0
29	0	0	0	0	---	0	8.6	168	110	0	0	0
30	0	0	0	0	---	0	9.5	143	109	0	0	0
31	0	---	0	0	---	0	---	147	---	0	0	---
TOTAL	0	0	0	0	0	0	24.2	3163	5711	546.52	0	0
MEAN	0	0	0	0	0	0	.81	102	190	17.6	0	0
AC-FT	0	0	0	0	0	0	48	6270	11330	1080	0	0
MAX	0	0	0	0	0	0	9.5	215	270	126	0	0
MIN	0	0	0	0	0	0	0	12	109	0	0	0

CAL YR	2005	TOTAL	9181	MEAN	24.91	MAX	245	MIN	0	AC-FT	18215.1
WTR YR	2006	TOTAL	9444.72	MEAN	25.9	MAX	270	MIN	0	AC-FT	18730

MAX DISCH: 325 CFS AT 16:15 ON Jun. 8, 2006 GH 3.74 FT. SHIFT 0 FT.
MAX GH: 3.74 FT. AT 16:15 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

06747000 LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

BOB CREEK DITCH NEAR GLENDEVEY, CO

LOCATION.--Lat 40°31'50", long 105°45'40" NESWNW, sec. 11, 9 N., 75 W.

GAGE.--Stevens F-type graphic water-stage recorder in a metal shelter with stilling well at a 3-foot Parshall flume owned by the City of Greeley. There is a staff in the flume and a drop tape for the well, with the drop tape being the primary reference.

REMARKS.--Primary record was taken from mean daily chart gage heights. Access to this gage is very difficult. The gage was dug out and the recorder was installed on May 4, 2006, but water did not flow in the ditch until May 12, 2006. Water diverted from May 12, 2006 at 10:00 AM until June 20, 2006 at 10:00 AM. Data were questionable May 12-17 due to problems or errors setting the recorder at near zero flow. At times the pen corrections caused discharge corrections of several hundred percent. For May 12 to June 6, the chart time was slow about 1.25 hr per day, which also meant that daily time breaks had to be estimated. Clock stoppages were not apparent. Maintenance was done to the clock on June 6 and this eliminated the slow time problem. The record is good, except for May 12-June 6, which is fair due to estimation of time and pen corrections. Record developed by Lee Cuning.

RATING TABLE.--STD03FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

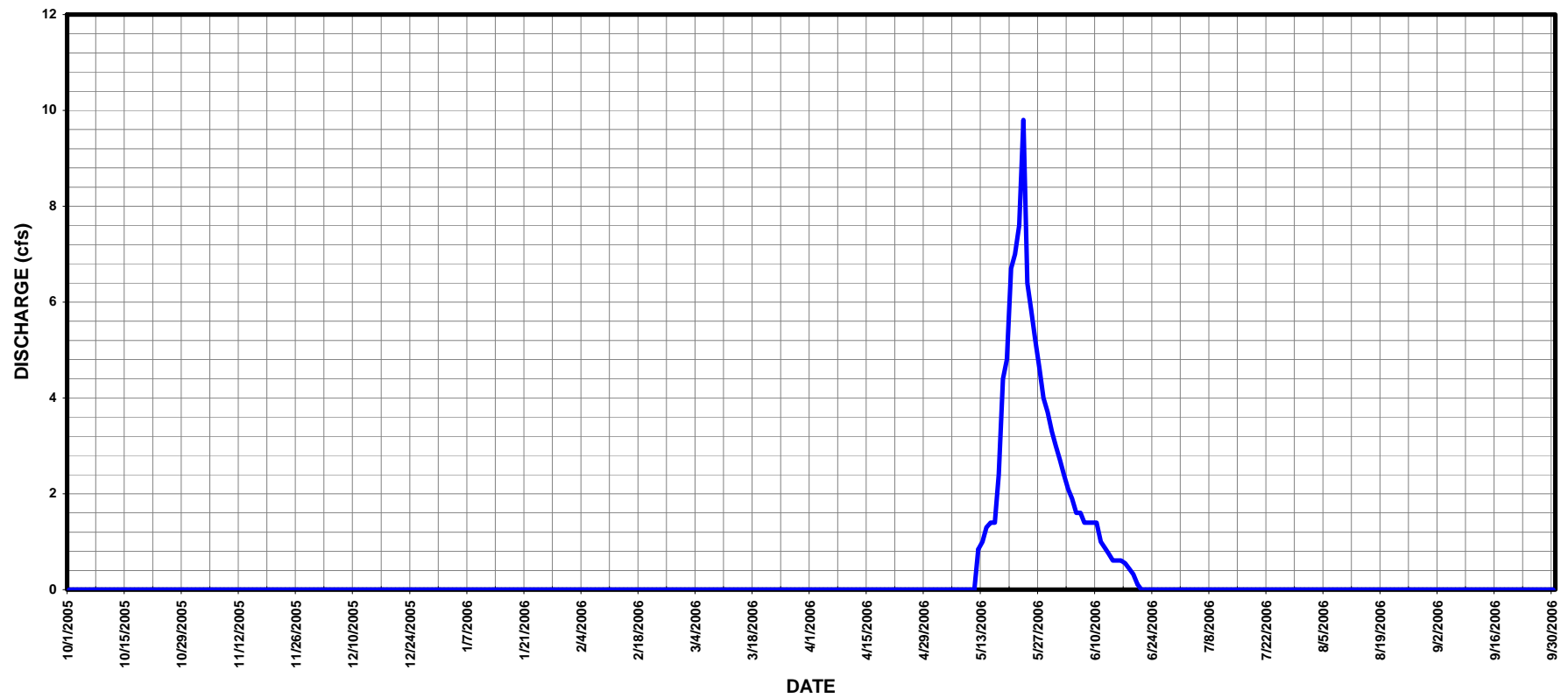
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	2.7	0	0	0
2	0	0	0	0	0	0	0	0	2.4	0	0	0
3	0	0	0	0	0	0	0	0	2.1	0	0	0
4	0	0	0	0	0	0	0	0	1.9	0	0	0
5	0	0	0	0	0	0	0	0	1.6	0	0	0
6	0	0	0	0	0	0	0	0	1.6	0	0	0
7	0	0	0	0	0	0	0	0	1.4	0	0	0
8	0	0	0	0	0	0	0	0	1.4	0	0	0
9	0	0	0	0	0	0	0	0	1.4	0	0	0
10	0	0	0	0	0	0	0	0	1.4	0	0	0
11	0	0	0	0	0	0	0	0	1.0	0	0	0
12	0	0	0	0	0	0	0	.84	.88	0	0	0
13	0	0	0	0	0	0	0	1.0	.74	0	0	0
14	0	0	0	0	0	0	0	1.3	.61	0	0	0
15	0	0	0	0	0	0	0	1.4	.61	0	0	0
16	0	0	0	0	0	0	0	1.4	.61	0	0	0
17	0	0	0	0	0	0	0	2.4	.55	0	0	0
18	0	0	0	0	0	0	0	4.4	.43	0	0	0
19	0	0	0	0	0	0	0	4.8	.32	0	0	0
20	0	0	0	0	0	0	0	6.7	.11	0	0	0
21	0	0	0	0	0	0	0	7.0	0	0	0	0
22	0	0	0	0	0	0	0	7.6	0	0	0	0
23	0	0	0	0	0	0	0	9.8	0	0	0	0
24	0	0	0	0	0	0	0	6.4	0	0	0	0
25	0	0	0	0	0	0	0	5.8	0	0	0	0
26	0	0	0	0	0	0	0	5.2	0	0	0	0
27	0	0	0	0	0	0	0	4.6	0	0	0	0
28	0	0	0	0	0	0	0	4.0	0	0	0	0
29	0	0	0	0	---	0	0	3.7	0	0	0	0
30	0	0	0	0	---	0	0	3.3	0	0	0	0
31	0	---	0	0	---	0	---	3.0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	84.64	23.76	0	0	0
MEAN	0	0	0	0	0	0	0	2.73	.79	0	0	0
AC-FT	0	0	0	0	0	0	0	168	47	0	0	0
MAX	0	0	0	0	0	0	0	9.8	2.7	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	199.39	MEAN	.52	MAX	13.0	MIN	0	AC-FT	374
WTR YR	2006	TOTAL	108.4	MEAN	.30	MAX	9.8	MIN	0	AC-FT	215

MAX DISCH: 12.8 CFS AT 00:45 ON May. 23, 2006 GH 1.04 FT. SHIFT 0 FT.
MAX GH: 1.04 FT. AT 00:45 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**BOB CREEK DITCH NEAR GLENDEVEY CO
WY2006 HYDROGRAPH**



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

DEADMAN DITCH NEAR DEADMAN PARK, CO

LOCATION.--Lat 40°50'04", long 105°48'05", sec. 9, T. 10 N., R. 75 W., Diverts water from Laramie River and tributaries, to Sheep Creek (tributary to Cache La Poudre River) via Sand Creek.

GAGE.--F-type graphic water-stage recorder at a 6 foot Parshall flume. The recorder is in a steel shelter and the gage is referenced with an outside staff gage in the flume.

REMARKS.--The primary record is mean daily gage heights from the chart. The record is complete and reliable, except for the period: April 28-May 13, 2006, when the float was frozen or there was very little flow; and June 12-14, 2006, when the pen was not inking the chart. The gage height record is worked by the District 3 deputy water commissioner, Mark Simpson, and checked by Lee Cunning. Record is good, except for April 28-May 13, 2006, which were ice affected and considered fair, and June 12-14, 2006, which were estimated and considered poor. Water was run from April 28 until June 26, 2006. Record developed by Mark Simpson and Lee Cunning.

RATING TABLE.--STD06FTPF USED FROM 28-APR-2006 TO 26-JUN-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.72	6.7	0	0	0
2	0	0	0	0	0	0	0	2.6	6.2	0	0	0
3	0	0	0	0	0	0	0	3.9	5.7	0	0	0
4	0	0	0	0	0	0	0	2.3	5.4	0	0	0
5	0	0	0	0	0	0	0	2.5	5.1	0	0	0
6	0	0	0	0	0	0	0	2.2	4.6	0	0	0
7	0	0	0	0	0	0	0	1.8	4.4	0	0	0
8	0	0	0	0	0	0	0	1.8	5.0	0	0	0
9	0	0	0	0	0	0	0	1.8	4.8	0	0	0
10	0	0	0	0	0	0	0	1.8	5.1	0	0	0
11	0	0	0	0	0	0	0	1.8	4.0	0	0	0
12	0	0	0	0	0	0	0	2.5	3.2	0	0	0
13	0	0	0	0	0	0	0	5.5	3.0	0	0	0
14	0	0	0	0	0	0	0	7.1	2.9	0	0	0
15	0	0	0	0	0	0	0	7.8	2.5	0	0	0
16	0	0	0	0	0	0	0	8.9	2.7	0	0	0
17	0	0	0	0	0	0	0	9.1	2.3	0	0	0
18	0	0	0	0	0	0	0	9.5	2.1	0	0	0
19	0	0	0	0	0	0	0	11	1.8	0	0	0
20	0	0	0	0	0	0	0	12	1.7	0	0	0
21	0	0	0	0	0	0	0	11	1.8	0	0	0
22	0	0	0	0	0	0	0	12	1.8	0	0	0
23	0	0	0	0	0	0	0	18	1.6	0	0	0
24	0	0	0	0	0	0	0	12	1.6	0	0	0
25	0	0	0	0	0	0	0	11	1.6	0	0	0
26	0	0	0	0	0	0	0	11	.59	0	0	0
27	0	0	0	0	0	0	0	10	0	0	0	0
28	0	0	0	0	0	0	.18	10	0	0	0	0
29	0	0	0	0	---	0	.71	9.4	0	0	0	0
30	0	0	0	0	---	0	.71	8.2	0	0	0	0
31	0	---	0	0	---	0	---	7.4	---	0	0	---
TOTAL	0	0	0	0	0	0	1.60	216.62	88.19	0	0	0
MEAN	0	0	0	0	0	0	.053	6.99	2.94	0	0	0
AC-FT	0	0	0	0	0	0	3.2	430	175	0	0	0
MAX	0	0	0	0	0	0	.71	18	6.7	0	0	0
MIN	0	0	0	0	0	0	0	.72	0	0	0	0

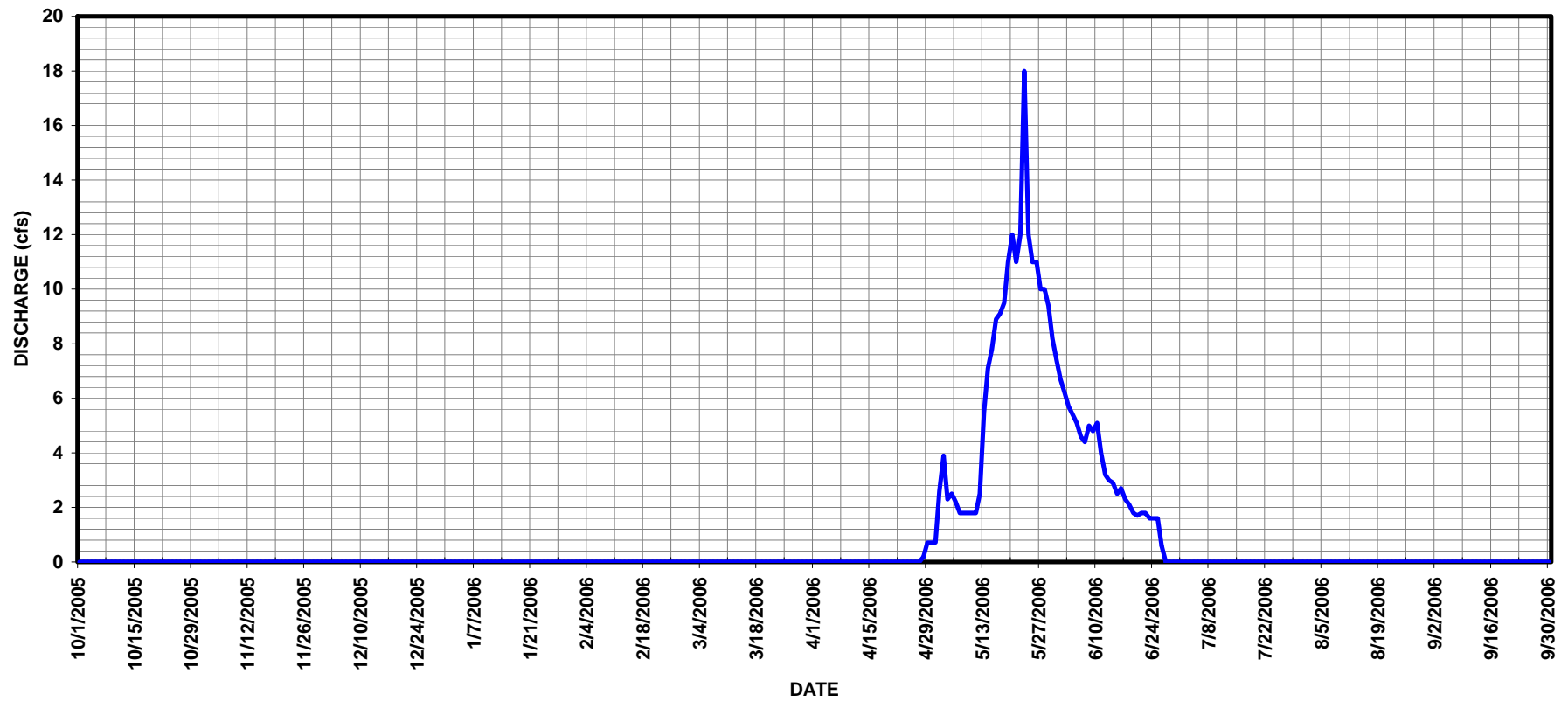
CAL YR	2005	TOTAL	651.02	MEAN	1.78	MAX	33	MIN	0	AC-FT	1290
WTR YR	2006	TOTAL	306.41	MEAN	.84	MAX	18	MIN	0	AC-FT	608

MAX DISCH: 22.5 CFS AT 02:00 ON May. 23, 2006 GH 0.96 FT. SHIFT 0 FT.

MAX GH: 0.96 FT. AT 02:00 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DEADMAN DITCH NEAR DEADMAN PARK CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

PLATTE RIVER BASIN

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR, CO

LOCATION.--Lat 40°54'31", long 105°46'43"; Diverts water from Sand Creek and Deadman Creek in Laramie River basin to Sheep Creek (tributary to North Fork Cache la Poudre River) in sec. 23, T.11 N., R.75 W., in the Cache la Poudre River basin.

GAGE.-- Satellite telemetry and an F-type, graphic water-stage recorder at a 10 foot Parshall flume with a staff gage. Gage is referenced with an IG drop tape.

REMARKS.--Primary record is the hourly data taken from satellite monitoring, with the chart as a back up. The data is complete and reliable, except for April 23-27, 2006. There is no chart after June 19, 2006. The recorder was installed on April 23, 2006, however the ditch superintendent still has some trouble setting up the recorder. The float was installed backwards and the gage height wasn't set properly on the chart. During this short period of very low flow, the chart provided enough information to make estimates. The satellite equipment was installed on April 27, 2006 by George Sievers. Throughout the season, the ditch operator used the encoder readout to set chart, rather than the drop tape. The gage was not visited by a hydrographer during the season and the encoder reading was never verified for the entire season. The chart reading would be useless as a check because it was being set to the encoder. Record is fair, including the peak flow, due to lack of encoder calibration. The period of April 23-27, 2006 is poor due lack of DCP record, poor chart recorder operation, and ice in the ditch. Water was run from April 23-June 25, 2006, when the ditch was shut off. Record developed by Mark Simpson.

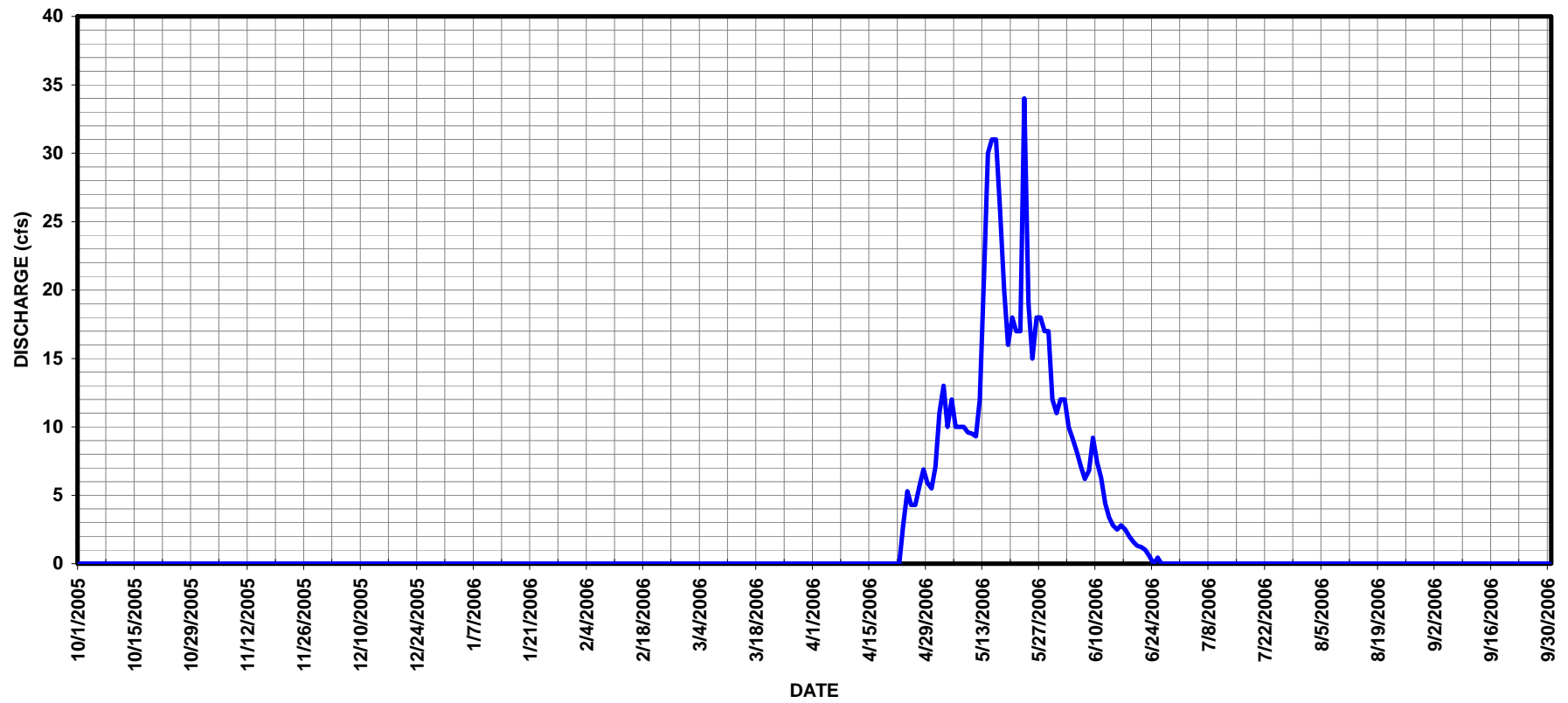
RATING TABLE.-- STD10FTPF USED FROM 27-APR-2006 TO 25-JUN-2007

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	7.1	12	0	0	0
2	0	0	0	0	0	0	0	11	12	0	0	0
3	0	0	0	0	0	0	0	13	10	0	0	0
4	0	0	0	0	0	0	0	10	9.1	0	0	0
5	0	0	0	0	0	0	0	12	8.2	0	0	0
6	0	0	0	0	0	0	0	10	7.1	0	0	0
7	0	0	0	0	0	0	0	10	6.2	0	0	0
8	0	0	0	0	0	0	0	10	6.8	0	0	0
9	0	0	0	0	0	0	0	9.6	9.2	0	0	0
10	0	0	0	0	0	0	0	9.5	7.4	0	0	0
11	0	0	0	0	0	0	0	9.3	6.3	0	0	0
12	0	0	0	0	0	0	0	12	4.4	0	0	0
13	0	0	0	0	0	0	0	21	3.4	0	0	0
14	0	0	0	0	0	0	0	30	2.8	0	0	0
15	0	0	0	0	0	0	0	31	2.5	0	0	0
16	0	0	0	0	0	0	0	31	2.8	0	0	0
17	0	0	0	0	0	0	0	26	2.5	0	0	0
18	0	0	0	0	0	0	0	20	2.0	0	0	0
19	0	0	0	0	0	0	0	16	1.6	0	0	0
20	0	0	0	0	0	0	0	18	1.3	0	0	0
21	0	0	0	0	0	0	0	17	1.2	0	0	0
22	0	0	0	0	0	0	0	17	1.0	0	0	0
23	0	0	0	0	0	0	2.8	34	.54	0	0	0
24	0	0	0	0	0	0	5.3	19	0	0	0	0
25	0	0	0	0	0	0	4.3	15	.43	0	0	0
26	0	0	0	0	0	0	4.3	18	0	0	0	0
27	0	0	0	0	0	0	5.6	18	0	0	0	0
28	0	0	0	0	0	0	6.9	17	0	0	0	0
29	0	0	0	0	---	0	5.9	17	0	0	0	0
30	0	0	0	0	---	0	5.5	12	0	0	0	0
31	0	---	0	0	---	0	---	11	---	0	0	---
TOTAL	0	0	0	0	0	0	40.6	511.5	120.77	0	0	0
MEAN	0	0	0	0	0	0	1.35	16.5	4.03	0	0	0
AC-FT	0	0	0	0	0	0	81	1010	240	0	0	0
MAX	0	0	0	0	0	0	6.9	34	12	0	0	0
MIN	0	0	0	0	0	0	0	7.1	0	0	0	0
CAL YR 2005	TOTAL	1810.87	MEAN	4.96	MAX	101	MIN	0	AC-FT	3590		
WTR YR 2006	TOTAL	672.87	MEAN	1.84	MAX	34	MIN	0	AC-FT	1330		

MAX DISCH: 45.2 CFS AT 22:30 ON May. 16, 2006 GH 1.09 FT. SHIFT 0 FT.
MAX GH: 1.09 FT. AT 22:30 ON May. 16, 2006

06750500 WILSON SUPPLY DITCH NEAR EATON RESERVOIR CO
WY2006 HYDROGRAPH



REPUBLICAN RIVER BASIN

PIONEER DITCH AT HEADGATE NEAR LAIRD, CO

LOCATION.--Lat 40°05'05", long 102°08'30", SW¼NE¼ sec. 2, T.1 N., R.43 W., Yuma County, 4 mi east of Wray, Co., 1000 ft south of U.S. Highway 34.

DRAINAGE AREA.--N/A

GAGE.--Type-F weekly graphic recorder and a high data rate Satellite Monitoring DCP, in metal box enclosure and well section at a 5 -foot Parshall flume. The flume is installed in concrete canal section and is referenced with an outside staff.

REMARKS.--The record is taken from hourly satellite readings, with chart back up. The record is complete and reliable. On April 13, 2006, when the ditch was turned on, no encoder calibration was performed. State of Colorado personnel set the chart on April 15, 2006, and did not note any encoder correction. Record for this period can be considered fair. The record is supported by daily calibration visits recorded on visit sheets. A residual GH of about 0.10 ft was seen in the well after the water turned off. GH's below 0.10 ft were converted to zero when the data was imported into the record spreadsheet. The canal was off from November 2, 2005 to April 13, 2006. The record is good. Station maintained by Div 1 Staff and record developed by Lee Cunning.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

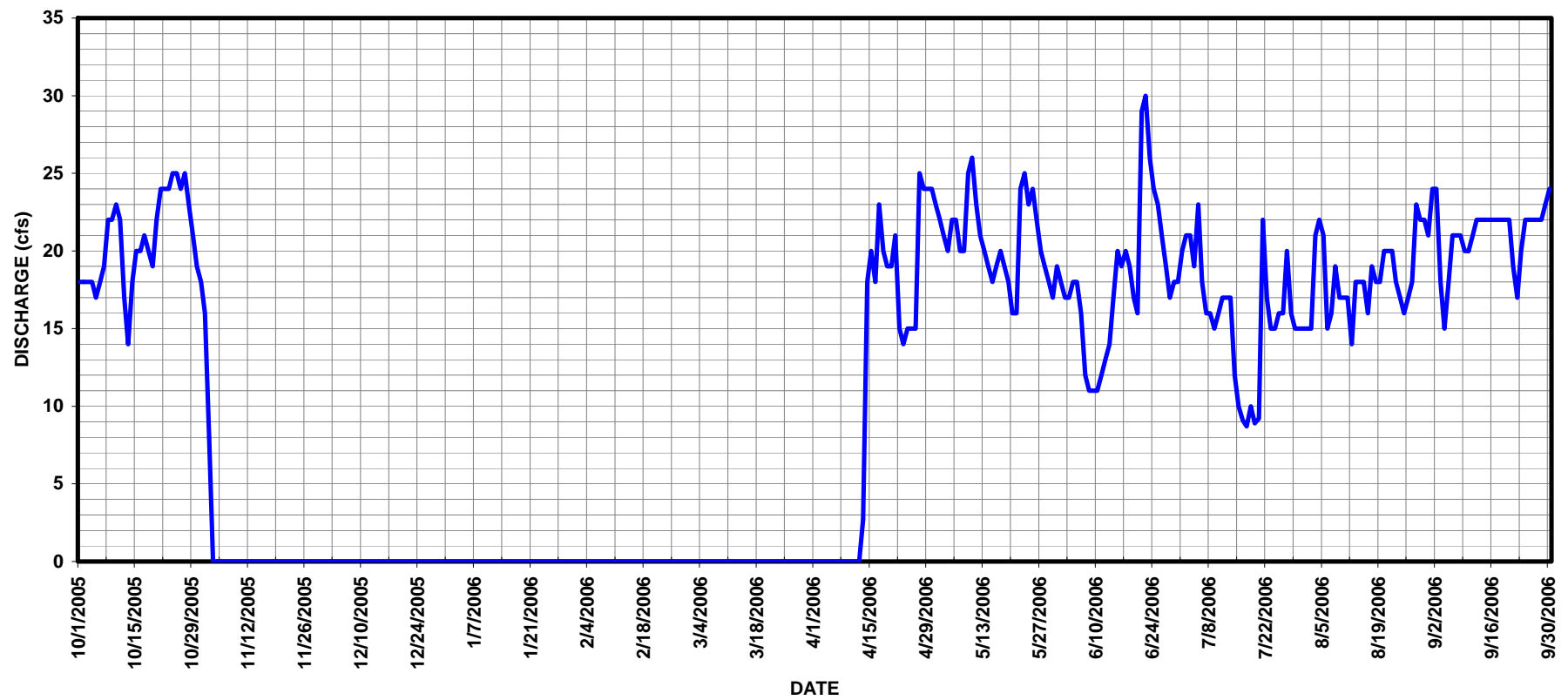
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	16	0	0	0	0	0	23	18	20	15	24
2	18	8.0	0	0	0	0	0	22	17	21	15	24
3	18	0	0	0	0	0	0	21	17	21	21	18
4	18	0	0	0	0	0	0	20	18	19	22	15
5	17	0	0	0	0	0	0	22	18	23	21	18
6	18	0	0	0	0	0	0	22	16	18	15	21
7	19	0	0	0	0	0	0	20	12	16	16	21
8	22	0	0	0	0	0	0	20	11	16	19	21
9	22	0	0	0	0	0	0	25	11	15	17	20
10	23	0	0	0	0	0	0	26	11	16	17	20
11	22	0	0	0	0	0	0	23	12	17	17	21
12	17	0	0	0	0	0	0	21	13	17	14	22
13	14	0	0	0	0	0	2.7	20	14	17	18	22
14	18	0	0	0	0	0	18	19	17	12	18	22
15	20	0	0	0	0	0	20	18	20	10	18	22
16	20	0	0	0	0	0	18	19	19	9.1	16	22
17	21	0	0	0	0	0	23	20	20	8.7	19	22
18	20	0	0	0	0	0	20	19	19	10	18	22
19	19	0	0	0	0	0	19	18	17	8.9	18	22
20	22	0	0	0	0	0	19	16	16	9.2	20	22
21	24	0	0	0	0	0	21	16	29	22	20	19
22	24	0	0	0	0	0	15	24	30	17	20	17
23	24	0	0	0	0	0	14	25	26	15	18	20
24	25	0	0	0	0	0	15	23	24	15	17	22
25	25	0	0	0	0	0	15	24	23	16	16	22
26	24	0	0	0	0	0	15	22	21	16	17	22
27	25	0	0	0	0	0	25	20	19	20	18	22
28	23	0	0	0	0	0	24	19	17	16	23	22
29	21	0	0	0	---	0	24	18	18	15	22	23
30	19	0	0	0	---	0	24	17	18	15	22	24
31	18	---	0	0	---	0	---	19	---	15	21	---
TOTAL	638	24.0	0	0	0	0	331.7	641	541	485.9	568	634
MEAN	20.6	.80	0	0	0	0	11.1	20.7	18.0	15.7	18.3	21.1
AC-FT	1270	48	0	0	0	0	658	1270	1070	964	1130	1260
MAX	25	16	0	0	0	0	25	26	30	23	23	24
MIN	14	0	0	0	0	0	0	16	11	8.7	14	15

CAL YR	2005	TOTAL	3629.3	MEAN	9.94	MAX	36	MIN	0	AC-FT	7199
WTR YR	2006	TOTAL	3863.6	MEAN	10.6	MAX	30	MIN	0	AC-FT	7660

MAX DISCH: 32.2 CFS AT 06:45 ON Jun. 22, 2006 GH 1.41 FT. SHIFT -0.06 FT.
MAX GH: 1.41 FT. AT 06:45 ON Jun. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PIONEER DITCH AT HEADGATE NEAR LAIRD CO
WY2006 HYDROGRAPH



REPUBLICAN RIVER BASIN

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE

LOCATION.--Lat 40°03'25", long 102°03'10", SW¼SW¼ sec. 10, T.1 N., R.42 W., Yuma County; 1200 ft south of U.S. Highway 34 at Colorado/Nebraska State line.

DRAINAGE AREA.--N/A

GAGE.--Type-F graphic water-stage recorder and a Sutron High Data Rate DCP in metal box and well. The site is equipped with a 4-foot Parshall Flume with two outside vertical enameled steel staffs (Ha-Hb, with the Hb staff set with 4.0 ft = 0.0). The Ha staff is the primary reference. Station maintained by Pioneer Ditch Company.

REMARKS.--Record is hourly data taken from satellite monitoring, with the chart as back-up. The record is complete. The ditch did not run November 1, 2005 through April 14, 2006. April 15, 16, 19-21 are rated fair due to lack of good record during near zero flow hours while the ditch was being shut off. Gage height recorded less than 0.21 were considered zero due to the float being beached on the mud in the stilling well. Hourly data points less than 0.21 are averages of four 15 minute data points, some of which are zero. Record is good, except for April 15, 16, 19-21 which the record is considered fair. Record developed by Lee Cunning.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	13	0	0	0	0	0	19	16	14	11	10
2	9.1	11	0	0	0	0	0	17	12	15	12	3.2
3	9.5	0	0	0	0	0	0	16	13	15	14	3.5
4	10	0	0	0	0	0	0	15	14	15	15	3
5	8.3	0	0	0	0	0	0	18	14	16	15	6.5
6	5.4	0	0	0	0	0	0	18	14	12	14	9.3
7	5.5	0	0	0	0	0	0	15	9.6	11	12	8.8
8	9	0	0	0	0	0	0	17	8.9	13	13	8.9
9	11	0	0	0	0	0	0	21	8.4	9.7	13	8.6
10	15	0	0	0	0	0	0	21	8.9	13	13	8.8
11	15	0	0	0	0	0	0	19	9.5	15	12	9.2
12	14	0	0	0	0	0	0	15	11	14	11	9.9
13	8.6	0	0	0	0	0	0	15	11	14	7.1	10
14	11	0	0	0	0	0	6.5	15	12	11	7	10
15	14	0	0	0	0	0	8.3	14	12	7.8	10	7.3
16	14	0	0	0	0	0	.12	15	13	7.4	7	7.4
17	14	0	0	0	0	0	3.9	15	14	7.1	13	6.9
18	15	0	0	0	0	0	5.5	15	14	6.7	13	11
19	14	0	0	0	0	0	4.3	14	13	7.5	13	12
20	14	0	0	0	0	0	0	9.3	12	7.4	14	11
21	15	0	0	0	0	0	2.6	12	16	12	13	8.9
22	17	0	0	0	0	0	6.5	18	15	14	12	7.1
23	23	0	0	0	0	0	8.5	21	16	12	14	9.9
24	23	0	0	0	0	0	7.4	17	15	12	12	12
25	23	0	0	0	0	0	5.7	18	15	12	11	12
26	20	0	0	0	0	0	9.5	19	15	12	12	12
27	20	0	0	0	0	0	17	16	15	14	12	11
28	20	0	0	0	0	0	18	15	14	13	13	11
29	16	0	0	0	---	0	19	16	15	11	11	10
30	14	0	0	0	---	0	18	15	14	11	13	11
31	13	---	0	0	---	0	---	17	---	11	12	---
TOTAL	428.8	24	0	0	0	0	140.82	507.3	390.3	365.6	374.1	270.2
MEAN	13.8	.8	0	0	0	0	4.69	16.4	13	11.8	12.1	9
AC-FT	851	48	0	0	0	0	279	1010	774	725	742	536
MAX	23	13	0	0	0	0	19	21	16	16	15	12
MIN	5.4	0	0	0	0	0	0	9.3	8.4	6.7	7	3

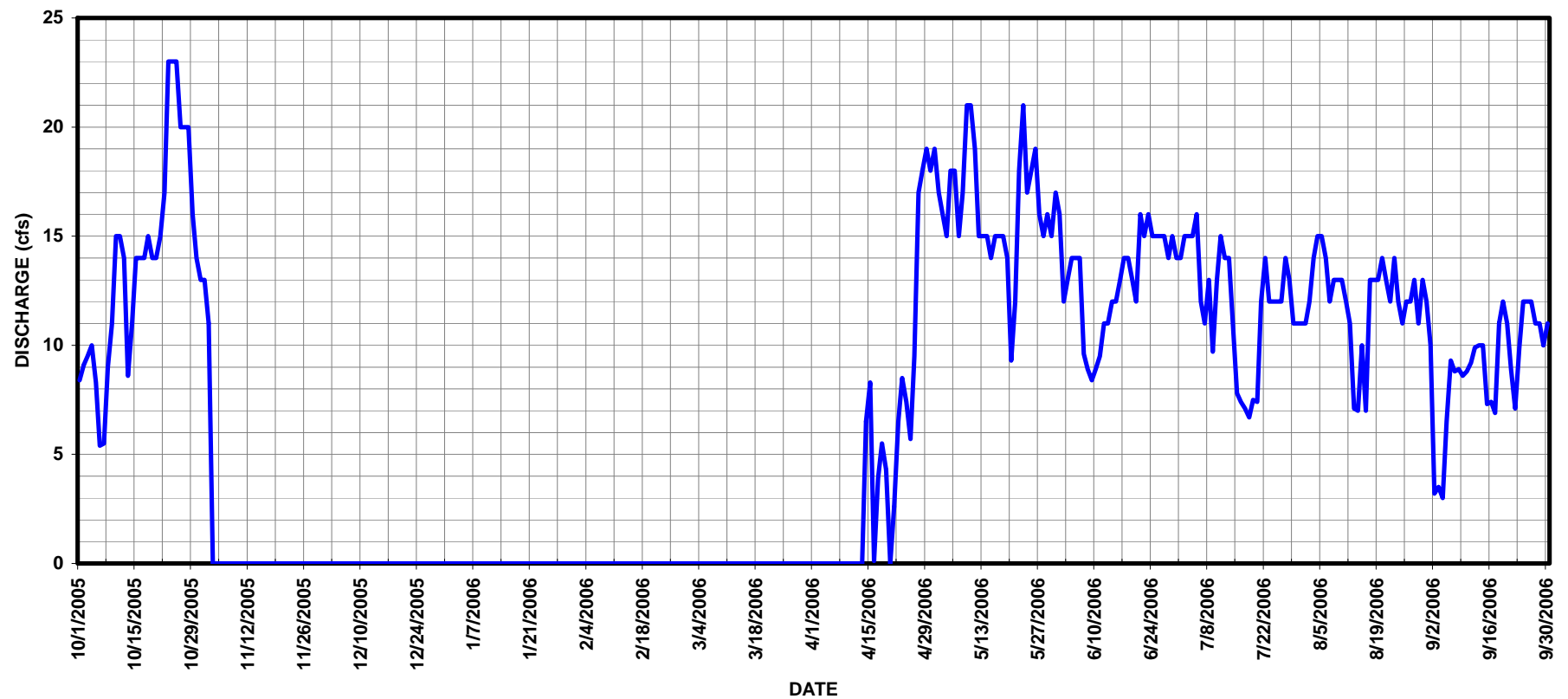
CAL YR	2005	TOTAL	2382.34	MEAN	5.30	MAX	23	MIN	0	AC-FT	4727
WTR YR	2006	TOTAL	2501.12	MEAN	6.85	MAX	23	MIN	0	AC-FT	4960

MAX DISCH: 25.1 CFS AT 09:15 ON Oct. 25, 2005 GH 1.26 FT. SHIFT 0.07 FT.

MAX GH: 1.26 FT. AT 09:15 ON Oct. 25, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07082500 LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE, CO

LOCATION.--Lat 39°15'05" long 106°22'28", Lake County, SE¼NW¼ sec. 19, T.9 S., R.80 W., on right bank 4.2 miles upstream from junction of Lake Fork Creek and Arkansas River.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink Logger) and shaft encoder in 42-inch diameter corrugated metal pipe (CMP) shelter and concrete well. Shaft encoder and chart set to inside electric tape gage mounted on instrument shelf. Satellite data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Shelter is equipped with AC power for well heater. Control is a concrete weir with ogee lip, tapered lower from the left to right bank, located at the gage. Elevation of gage is 9,720 ft. from topographic map.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LFCBSLC004A USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

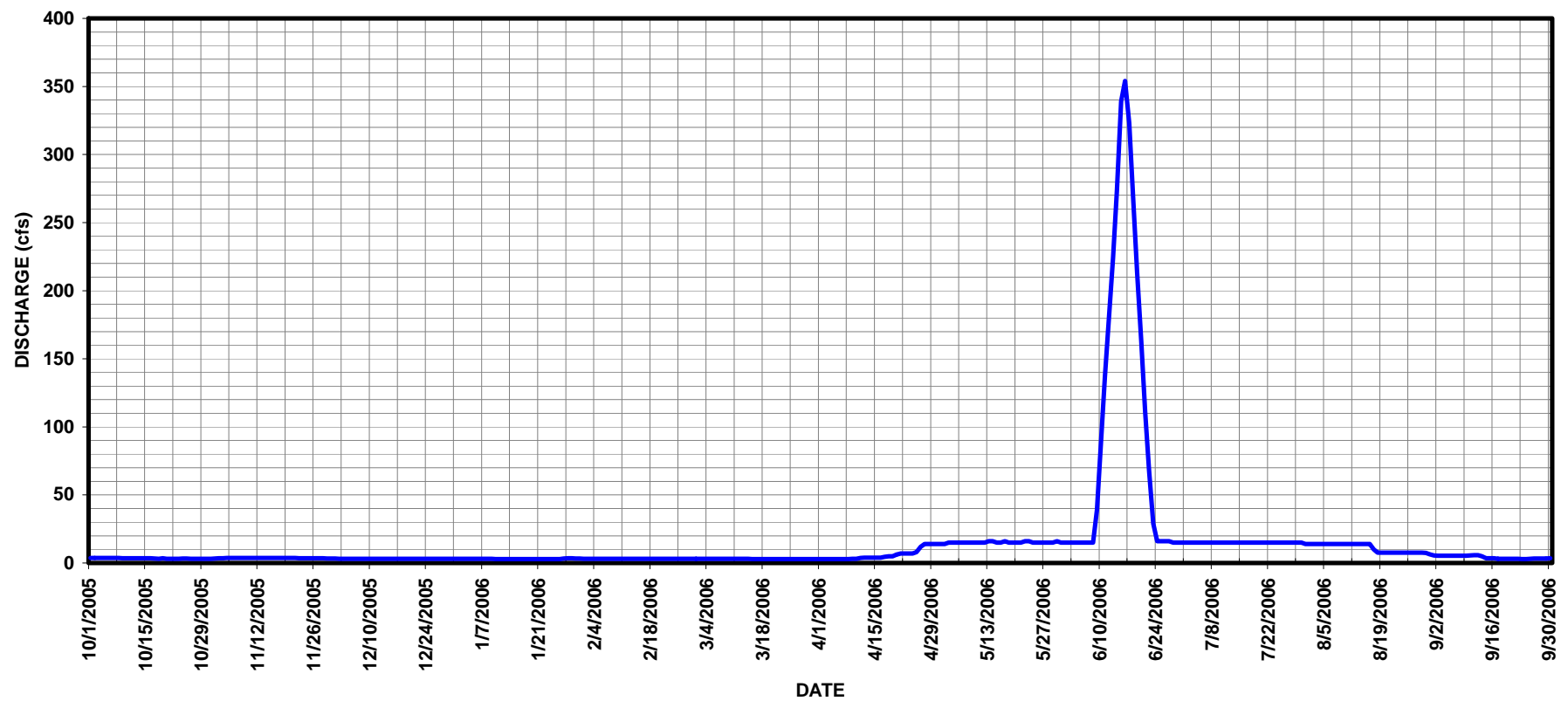
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.3	3.2	3.1	3.1	3.1	2.9	14	15	15	14	5.5
2	3.7	3.4	3.1	3.1	3.1	3.1	2.9	14	15	15	14	5.3
3	3.7	3.4	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
4	3.7	3.6	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
5	3.7	3.7	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
6	3.7	3.7	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
7	3.7	3.7	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
8	3.7	3.7	3.1	3.1	3.1	3.1	2.9	15	15	15	14	5.3
9	3.5	3.7	3.1	3.1	3.1	3.1	3.0	15	39	15	14	5.3
10	3.4	3.7	3.1	2.9	3.1	3.1	3.1	15	89	15	14	5.6
11	3.4	3.7	3.1	2.9	3.1	3.1	3.6	15	137	15	14	5.7
12	3.4	3.7	3.1	2.9	3.1	3.1	4.0	15	182	15	14	5.7
13	3.4	3.7	3.1	2.9	3.1	3.1	4.0	16	224	15	14	5.0
14	3.4	3.7	3.1	2.9	3.1	3.0	4.0	16	274	15	14	3.4
15	3.4	3.7	3.1	2.9	3.1	2.9	4.0	15	339	15	14	3.4
16	3.4	3.7	3.1	2.9	3.1	2.9	4.0	15	354	15	14	3.4
17	3.2	3.7	3.1	2.9	3.1	2.9	4.5	16	323	15	10	3.1
18	3.1	3.7	3.1	2.9	3.1	2.9	4.9	15	268	15	7.5	3.1
19	3.4	3.7	3.1	2.9	3.1	2.9	4.9	15	214	15	7.5	3.1
20	3.1	3.7	3.1	2.9	3.1	2.9	6.1	15	163	15	7.5	3.1
21	3.1	3.7	3.1	2.9	3.1	2.9	7.0	15	111	15	7.5	3.1
22	3.1	3.5	3.1	2.9	3.1	2.9	7.0	16	68	15	7.5	3.1
23	3.1	3.4	3.1	2.9	3.1	2.9	7.0	16	29	15	7.5	2.9
24	3.2	3.4	3.1	2.9	3.1	2.9	7.0	15	16	15	7.5	2.9
25	3.3	3.4	3.1	2.9	3.1	2.9	8.0	15	16	15	7.5	3.0
26	3.1	3.4	3.1	2.9	3.1	2.9	12	15	16	15	7.5	3.2
27	3.1	3.4	3.1	3.2	3.1	2.9	14	15	16	15	7.5	3.2
28	3.1	3.4	3.1	3.4	3.1	2.9	14	15	15	15	7.5	3.2
29	3.1	3.3	3.1	3.4	---	2.9	14	15	15	15	7.5	3.3
30	3.1	3.3	3.1	3.3	---	2.9	14	16	15	15	7.4	3.4
31	3.1	---	3.1	3.2	---	2.9	---	15	---	14	6.4	---
TOTAL	104.1	107.1	96.2	93.7	86.8	92.6	177.3	469	3043	464	337.8	123.8
MEAN	3.36	3.57	3.10	3.02	3.10	2.99	5.91	15.1	101	15.0	10.9	4.13
AC-FT	206	212	191	186	172	184	352	930	6040	920	670	246
MAX	3.7	3.7	3.2	3.4	3.1	3.1	14	16	354	15	14	5.7
MIN	3.1	3.3	3.1	2.9	3.1	2.9	2.9	14	15	14	6.4	2.9

CAL YR	2005	TOTAL	2394	MEAN	6.56	MAX	16	MIN	2.4	AC-FT	4750
WTR YR	2006	TOTAL	5195.4	MEAN	14.2	MAX	354	MIN	2.9	AC-FT	10310

MAX DISCH: 400 CFS AT 21:00 ON Jun. 15, 2006 GH 2 FT. SHIFT 0.01 FT.
MAX GH: 2 FT. AT 21:00 ON Jun. 15, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07082500 LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°03'47", long 106°24'28", Lake County, Hydrologic Unit 11020001, on left bank 1.35 mi upstream from water line of Twin Lakes Reservoir at elevation 9,200 ft and 2.1 mi southwest of village of Twin Lakes.

DRAINAGE AREA AND PERIOD OF RECORD.--75 mi². April 1946 to Sept. 1962, Oct. 1963 to current year. Monthly data only for some periods.

GAGE.--Satellite-monitored data collection platform (Sat-Link 2) and Accububble in a 4 ft x 4-ft steel shelter on the left bank at a refurbished concrete section and bridge over Lake Creek. DCP data are the primary record. Primary reference gage is a staff gage mounted on the right abutment wall for lower flows, and a wire-weight gage, installed on the bridge May 9, 2006. High water measurements are made from the bridge over the concrete section utilizing a portable bridge crane.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 1, 6, 13, 15-28, 2005; Mar. 31, Apr. 19-20, 2006 when ice affected the stage-discharge relationship; Nov. 29, 2005 to Mar. 29, 2006, when the station was closed for the winter. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--LAKATLCO22 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

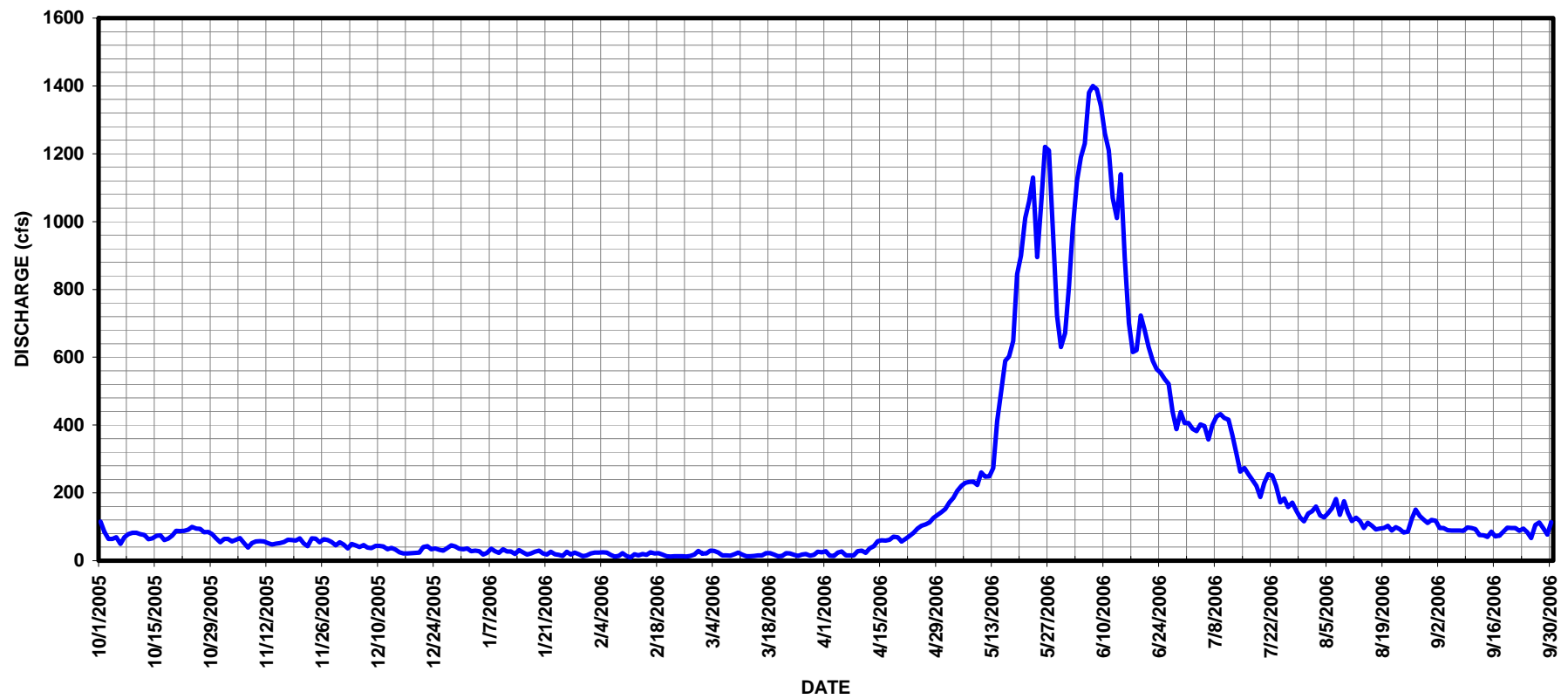
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	64	48	36	21	21	28	152	810	406	146	118
2	85	64	36	28	24	21	15	172	981	389	160	96
3	64	57	49	30	24	30	14	185	1120	382	133	96
4	64	62	45	28	25	29	24	206	1190	402	128	90
5	69	67	40	18	24	24	27	221	1230	397	140	89
6	49	53	46	23	17	16	16	230	1380	357	155	89
7	69	39	39	35	12	16	16	232	1400	399	182	89
8	78	52	37	28	14	15	16	233	1390	425	135	88
9	82	57	44	23	22	19	28	223	1340	432	175	98
10	82	58	44	34	14	24	30	260	1260	421	141	96
11	78	57	42	27	10	18	23	248	1210	416	117	93
12	76	52	34	27	19	13	36	249	1070	370	127	76
13	63	48	38	20	16	13	43	273	1010	317	117	75
14	66	50	33	31	20	14	58	412	1140	263	96	70
15	73	52	25	25	17	16	60	503	896	273	112	86
16	75	55	21	18	25	16	59	590	701	255	103	72
17	61	62	21	21	21	22	62	602	615	239	92	74
18	65	61	22	26	22	22	71	648	621	221	95	86
19	74	59	23	30	18	18	69	845	723	188	96	97
20	88	66	24	21	13	13	57	900	680	229	103	96
21	87	51	40	18	12	14	64	1010	631	255	89	96
22	88	43	43	26	13	22	73	1060	590	251	99	88
23	91	66	34	19	13	21	82	1130	565	221	93	95
24	100	65	36	17	13	17	95	895	554	172	83	84
25	95	54	32	14	12	14	103	1050	535	184	86	67
26	94	63	30	26	14	18	107	1220	521	158	123	105
27	84	61	37	18	18	20	113	1210	440	171	151	113
28	85	55	45	24	29	15	126	961	388	148	132	96
29	78	45	42	19	---	17	135	723	438	128	121	77
30	66	54	35	13	---	26	143	630	406	116	111	114
31	54	---	34	16	---	25	---	671	---	139	120	---
TOTAL	2398	1692	1119	739	502	589	1793	17944	25835	8724	3761	2709
MEAN	77.4	56.4	36.1	23.8	17.9	19.0	59.8	579	861	281	121	90.3
AC-FT	4760	3360	2220	1470	996	1170	3560	35590	51240	17300	7460	5370
MAX	115	67	49	36	29	30	143	1220	1400	432	182	118
MIN	49	39	21	13	10	13	14	152	388	116	83	67

CAL YR	2005	TOTAL	60782	MEAN	167	MAX	1250	MIN	12	AC-FT	120600
WTR YR	2006	TOTAL	67805	MEAN	186	MAX	1400	MIN	10	AC-FT	134500

MAX DISCH: 1630 CFS AT 22:15 ON Jun. 6, 2006 GH 5.90 FT. SHIFT -0.62 FT.
MAX GH: 5.90 FT. AT 22:15 ON JUN. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07084500 LAKE CREEK ABOVE TWIN LAKES RESERVOIR CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

LAKE CREEK BELOW TWIN LAKES RESERVOIR, CO

LOCATION.--Lat 39°04'34", long 106°18'35", in NE¼SE¼, sec. 22, T.11 S., R. 80 W., Lake County, on right bank 1.2 miles upstream from confluence of Lake Creek and Arkansas River and 1500 ft downstream of Twin Lakes Dam.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SatLink DCP) and shaft encoder in a concrete shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to an inside electric tape-down mounted on instrument shelf. Outside staff gage installed in flume but generally used as backup to primary reference tape-down gage. Control is a 30-foot concrete Parshall flume. Elevation of gage is 9,200 ft. above mean sea level.

REMARKS.--Record is complete and reliable for the entire year. The maximum flow that can be safely waded in the flume is about 300 cfs (gage height = 1.84 ft). Flows up to about 400 cfs (gage height = 2.20 ft) can be waded about 150 ft downstream of the flume. There is no bridge at this flume. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD30FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

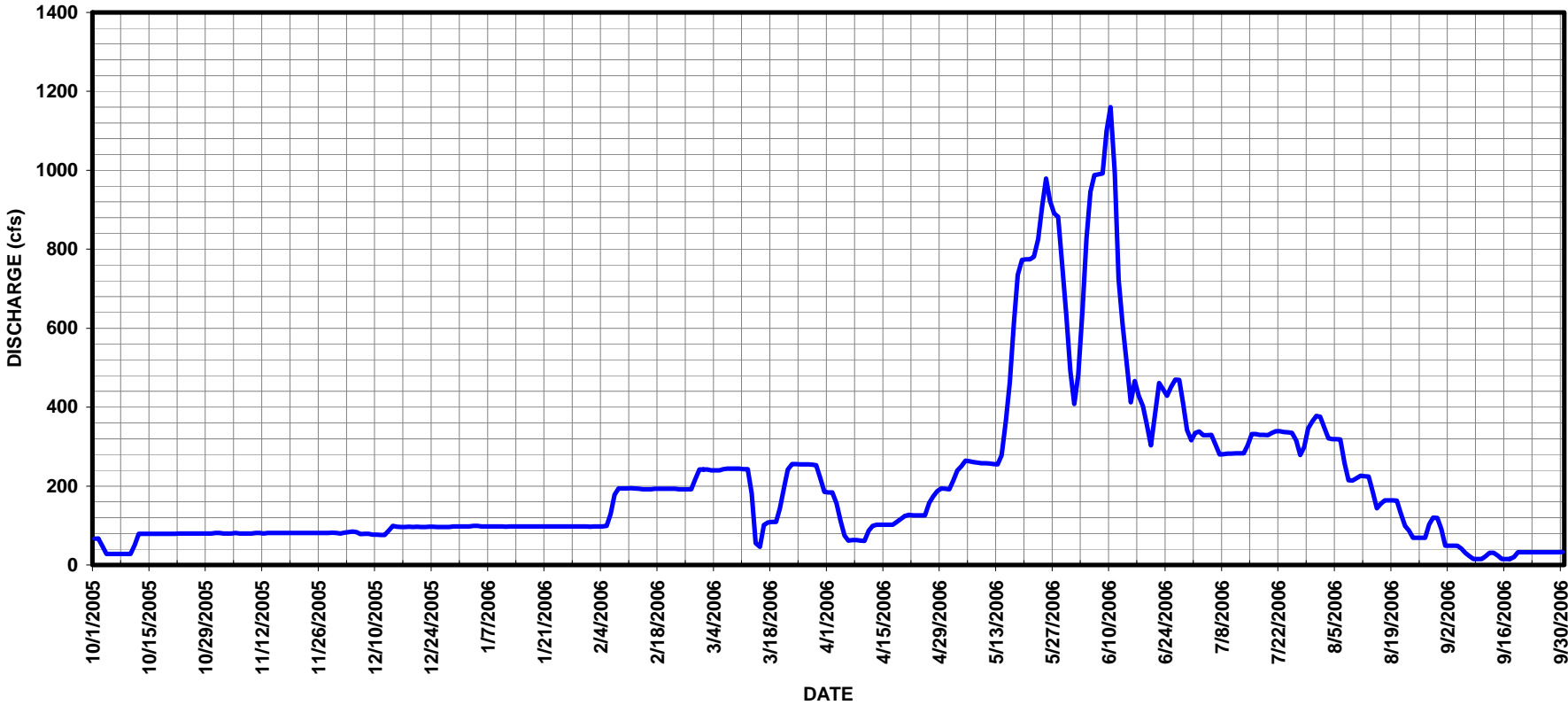
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	81	80	98	97	242	184	192	408	335	376	49
2	67	80	82	98	98	242	184	214	482	338	349	49
3	47	80	83	99	98	240	156	239	645	329	321	49
4	28	80	85	99	98	240	112	251	826	329	319	49
5	28	81	83	98	99	240	75	264	945	330	319	42
6	28	80	78	98	129	243	62	263	988	306	318	30
7	28	80	79	98	178	244	63	261	990	280	258	22
8	28	80	79	98	194	244	63	259	992	281	215	15
9	28	80	77	98	194	244	62	258	1100	282	214	15
10	28	81	77	98	194	244	61	258	1160	282	220	15
11	51	81	76	97	195	243	87	257	993	283	226	22
12	79	80	76	98	194	243	99	256	723	283	225	31
13	79	81	87	98	193	181	102	255	610	283	224	31
14	79	81	99	98	192	55	102	278	515	303	184	24
15	79	81	97	98	192	46	102	365	412	332	144	15
16	79	81	96	98	192	101	102	463	466	332	155	15
17	79	81	96	98	193	108	102	609	429	330	164	15
18	79	81	97	98	193	109	109	735	402	330	164	20
19	79	81	96	98	193	109	117	773	354	329	164	32
20	79	81	97	98	193	144	124	774	303	335	163	32
21	79	81	96	98	193	194	127	774	379	339	131	32
22	80	81	96	98	193	242	126	781	461	339	99	32
23	80	81	97	98	192	256	126	825	445	337	87	32
24	80	81	97	98	192	256	126	908	429	336	69	32
25	80	81	96	98	192	255	126	979	451	335	69	32
26	80	81	96	98	192	255	157	923	470	315	69	32
27	80	81	96	98	217	255	174	891	469	279	69	32
28	80	81	96	98	242	254	187	882	410	299	103	32
29	80	82	98	98	---	253	194	763	342	346	120	32
30	80	81	98	98	---	221	193	632	316	364	119	33
31	81	---	98	98	---	185	---	493	---	378	91	---
TOTAL	2019	2423	2784	3039	4922	6388	3604	16075	17915	9899	5748	893
MEAN	65.1	80.8	89.8	98.0	176	206	120	519	597	319	185	29.8
AC-FT	4000	4810	5520	6030	9760	12670	7150	31880	35530	19630	11400	1770
MAX	81	82	99	99	242	256	194	979	1160	378	376	49
MIN	28	80	76	97	97	46	61	192	303	279	69	15
CAL YR	2005	TOTAL	49411	MEAN	135	MAX	1030	MIN	12	AC-FT	98000	
WTR YR	2006	TOTAL	75709	MEAN	207	MAX	1160	MIN	15	AC-FT	150200	

MAX DISCH: 1180 CFS AT 23:45 ON Jun. 10, 2006 GH 4.32 FT. SHIFT 0 FT.
MAX GH: 4.32 FT. AT 23:45 ON Jun. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LAKE CREEK BELOW TWIN LAKES RESERVOIR CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07086000 ARKANSAS RIVER AT GRANITE, CO

LOCATION.--Lat 39°02'34", long 106°15'55", in SE¼SW¼ sec. 31, T.11 S., R.79 W., Chaffee County, Hydrologic Unit 11020001, on right bank at Granite, 100 ft east of U.S. Highway 24, 100 ft downstream from county bridge, and 200 ft upstream from Cache Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--427 mi². Sporadic data from April 1895 to May 1901. Complete data from April 1910 to current year. Monthly data for some periods only.

GAGE.--Graphic water-stage recorder, Sutron SatLink high data rate satellite-monitored data collection platform (DCP) and shaft encoder in a 4 ft x 4 ft steel shelter over a 42-inch diameter corrugated metal pipe (CMP) well. Shaft encoder and chart set to inside electric tape gage. DCP data are primary record (A-35 chart record is used for back-up purposes). Stock tank heater used inside well during periods of freezing weather to keep well open. Cableway approximately 100 feet downstream from gage. Elevation of gage is 8,914.86 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1960.

REMARKS.--Record is complete and reliable, except for the following periods: Nov. 15- 30; Dec. 1-6, 8-15, 18-31, 2005; Jan. 1-11, 13, 14, 17, 24-26, 28-30; Feb. 1, 6, 14, 16, 18, 20, 23-26; Mar. 9, 11-17, 19-21, 23, 2006 when the stage-discharge relationship was affected by ice; and, Dec. 7, 16, 17, 2005; Jan. 15, 16, 20-23, 27; Feb. 3, 4, 7-13, 17, 2006 when either the intakes or float-tapes were frozen. The shelter and well are situated on the right bank in calm water subject to significant shore ice including complete channel and control freeze-over during periods of freezing weather. Record good, except during periods of no gage height record and ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKGRNC011A USED FROM 01-OCT-2005 TO 30-SEP-2006

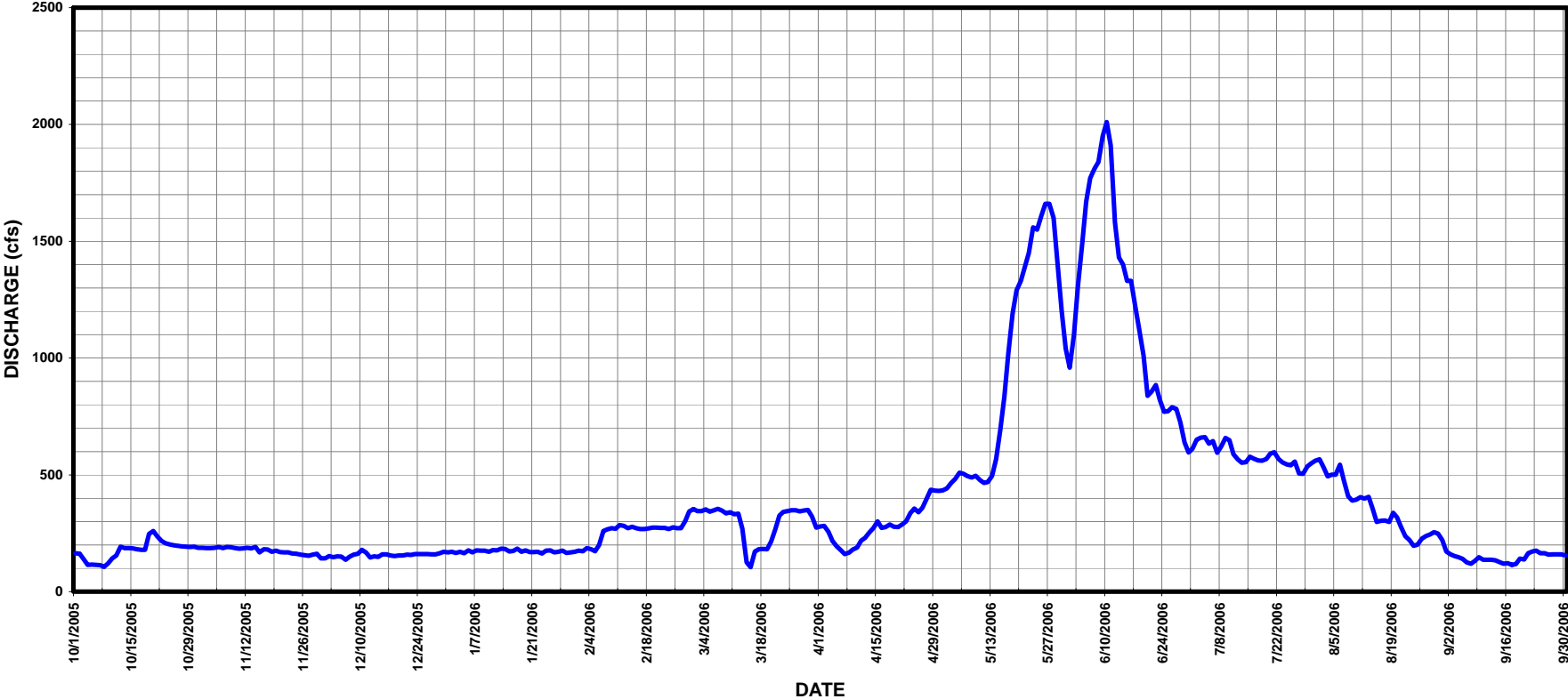
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	188	142	170	176	353	279	434	959	612	567	172
2	162	186	152	166	173	345	281	442	1100	650	533	160
3	139	187	148	171	186	345	256	465	1310	659	494	152
4	114	188	151	164	182	352	217	482	1490	662	501	148
5	116	191	150	177	173	342	194	509	1670	633	501	140
6	114	187	137	168	200	349	178	504	1770	644	543	125
7	113	191	150	177	260	354	161	495	1810	595	475	119
8	106	190	158	175	267	347	167	488	1840	621	408	132
9	121	187	162	175	272	335	180	496	1950	658	390	147
10	142	184	179	171	269	340	189	477	2010	648	393	137
11	155	185	167	178	285	331	218	466	1910	588	404	137
12	192	188	146	177	282	334	230	469	1580	566	399	137
13	187	185	151	184	272	269	254	496	1430	552	406	134
14	187	191	149	183	278	126	272	566	1400	554	354	127
15	185	168	160	172	272	105	301	694	1330	577	299	120
16	181	182	160	174	268	172	273	833	1330	569	303	122
17	179	180	155	184	268	181	276	1020	1220	562	305	115
18	179	170	152	171	270	183	288	1190	1120	560	298	118
19	247	176	155	177	274	181	278	1290	1010	568	338	141
20	259	169	155	169	274	214	277	1330	838	591	318	138
21	236	168	158	169	273	268	287	1390	856	597	274	165
22	217	168	157	170	273	325	301	1450	884	568	237	172
23	207	163	161	163	268	341	336	1560	821	553	220	175
24	202	162	161	176	275	345	356	1550	770	544	196	165
25	199	158	161	177	272	348	340	1610	773	541	201	164
26	196	156	161	168	272	348	359	1660	790	557	226	158
27	194	154	160	170	302	344	396	1660	782	506	238	159
28	193	158	159	176	343	347	436	1600	725	504	245	159
29	191	162	164	166	---	350	432	1410	638	536	255	159
30	193	143	170	168	---	322	431	1200	596	549	249	156
31	188	---	168	170	---	274	---	1040	---	560	221	---
TOTAL	5459	5265	4859	5356	7179	9170	8443	29276	36712	18084	10791	4353
MEAN	176	176	157	173	256	296	281	944	1224	583	348	145
AC-FT	10830	10440	9640	10620	14240	18190	16750	58070	72820	35870	21400	8630
MAX	259	191	179	184	343	354	436	1660	2010	662	567	175
MIN	106	143	137	163	173	105	161	434	596	504	196	115

CAL YR	2005	TOTAL	95689	MEAN	262	MAX	1500	MIN	50	AC-FT	189800
WTR YR	2006	TOTAL	144947	MEAN	397	MAX	2010	MIN	105	AC-FT	287500

MAX DISCH: 2090 CFS AT 00:30 ON Jun. 11, 2006 GH 5.2 FT. SHIFT 0.1 FT.
MAX GH: 5.2 FT. AT 00:30 ON Jun. 11, 2006

07086000 ARKANSAS RIVER AT GRANITE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR, CO

LOCATION.--Lat 39°01'05", long 106°16'38", in SE¼ sec. 12, T,12 S., R.80 W., Chaffee County, Hydrologic Unit 11020001, on right bank 0.5 mi upstream from water line of Clear Creek Reservoir at elevation 8,875 ft, 1.5 mi downstream from unnamed tributary, and 1.9 mi southwest of Granite.

DRAINAGE AREA.--67.1 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron high data rate SaltLink Logger DCP) and shaft encoder in a 42-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a concrete dam tapered lower towards the center, located approximately 15 feet downstream. An outside staff gage is used as a supplemental reference gage. However, since its installation, it does not agree with the inside tape, most likely due to draw-down.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 14-17, 2005; Mar. 21, 24, 25, 27, 28, 31, 2006, when the stage-discharge relationship was affected by ice; Nov. 18, 2005 to March 20, 2006, when the station was closed for the winter; and, Mar. 22, 23, when the well was temporarily frozen. Record good, except during periods of no gage height record and ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CCACCRC014 USED FROM 01-OCT-2005 30-SEP-2006

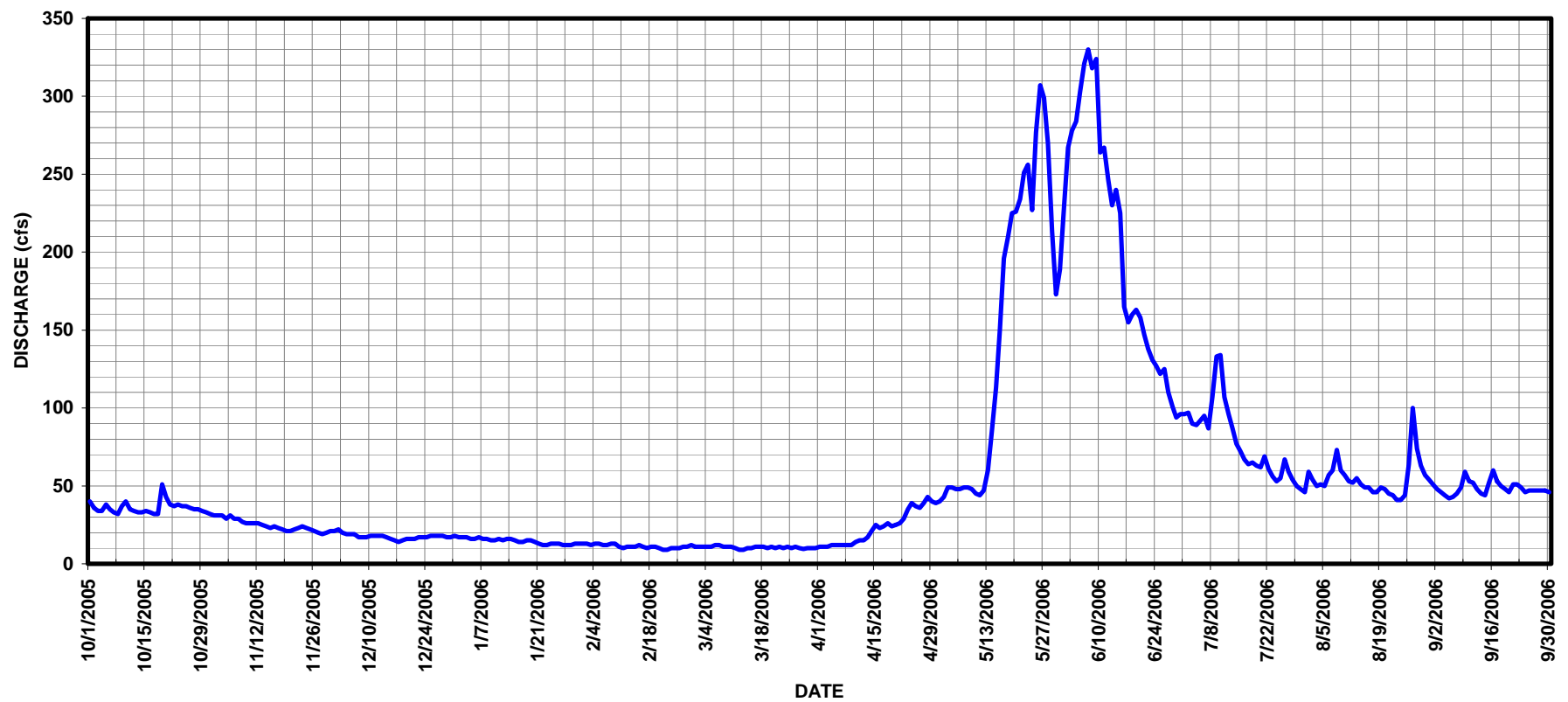
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	31	21	17	13	11	11	40	230	96	59	51
2	36	31	22	17	13	11	11	43	267	97	54	48
3	34	31	20	17	12	11	11	49	278	90	50	46
4	34	29	19	16	13	11	12	49	284	89	51	44
5	38	31	19	16	13	11	12	48	303	92	50	42
6	35	29	19	17	12	12	12	48	321	95	57	43
7	33	29	17	16	12	12	12	49	330	87	60	45
8	32	27	17	16	13	11	12	49	318	107	73	49
9	37	26	17	15	13	11	12	48	324	133	60	59
10	40	26	18	15	11	11	14	45	264	134	57	53
11	35	26	18	16	10	10	15	44	267	107	53	52
12	34	26	18	15	11	9.0	15	47	246	96	52	48
13	33	25	18	16	11	9.0	17	60	230	87	55	45
14	33	24	17	16	11	10	21	85	240	77	51	44
15	34	23	16	15	12	10	25	113	225	72	49	52
16	33	24	15	14	11	11	23	151	165	67	49	60
17	32	23	14	14	10	11	24	196	155	64	46	53
18	32	22	15	15	11	11	26	210	160	65	46	50
19	51	21	16	15	11	10	24	225	163	63	49	48
20	43	21	16	14	10	11	25	226	158	62	48	46
21	38	22	16	13	9.0	10	26	234	147	69	45	51
22	37	23	17	12	9.0	11	29	251	138	61	44	51
23	38	24	17	12	10	10	35	256	131	56	41	49
24	37	23	17	13	10	11	39	227	127	53	41	46
25	37	22	18	13	10	10	37	277	122	55	44	47
26	36	21	18	13	11	11	36	307	125	67	64	47
27	35	20	18	12	11	10	39	299	110	59	100	47
28	35	19	18	12	12	9.5	43	270	101	54	74	47
29	34	20	17	12	---	10	40	213	94	50	63	47
30	33	21	17	13	---	10	39	173	96	48	57	46
31	32	---	18	13	---	10	---	189	---	46	54	---
TOTAL	1111	740	543	450	315.0	326.5	697	4521	6119	2398	1696	1456
MEAN	35.8	24.7	17.5	14.5	11.2	10.5	23.2	146	204	77.4	54.7	48.5
AC-FT	2200	1470	1080	893	625	648	1380	8970	12140	4760	3360	2890
MAX	51	31	22	17	13	12	43	307	330	134	100	60
MIN	32	19	14	12	9.0	9.0	11	40	94	46	41	42
CAL YR 2005	TOTAL	23089.8	MEAN	63.3	MAX	405	MIN	7	AC-FT	45800		
WTR YR 2006	TOTAL	20372.5	MEAN	55.8	MAX	330	MIN	9	AC-FT	40410		

MAX DISCH: 401 CFS AT 21:30 ON JUNE 8, 2006 GH 4.29 FT. SHIFT 0.11 FT.
MAX GH: 4.29 FT. AT 21:30 ON JUNE 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07086500 CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO

LOCATION.--Lat 39°01'20", long 106°14'07", Lake County, on left bank 200 ft. upstream from junction Clear Creek and Arkansas River.

DRAINAGE AREA.--N/A.

GAGE.--Float activated graphic water-stage recorder and shaft encoder and Sutron Satlink 2 DCP in a metal-sided wood frame shelter and concrete well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside gage used as supplemental reference. Outside gage reads 0.01 ft low. DCP data are primary record (graphic chart record is used for back-up purposes). Control is a 20-ft. wide, compound, broad-crested weir located at the gage.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CCBCCRC004 USED FROM 01-OCT-2005 TO 20-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

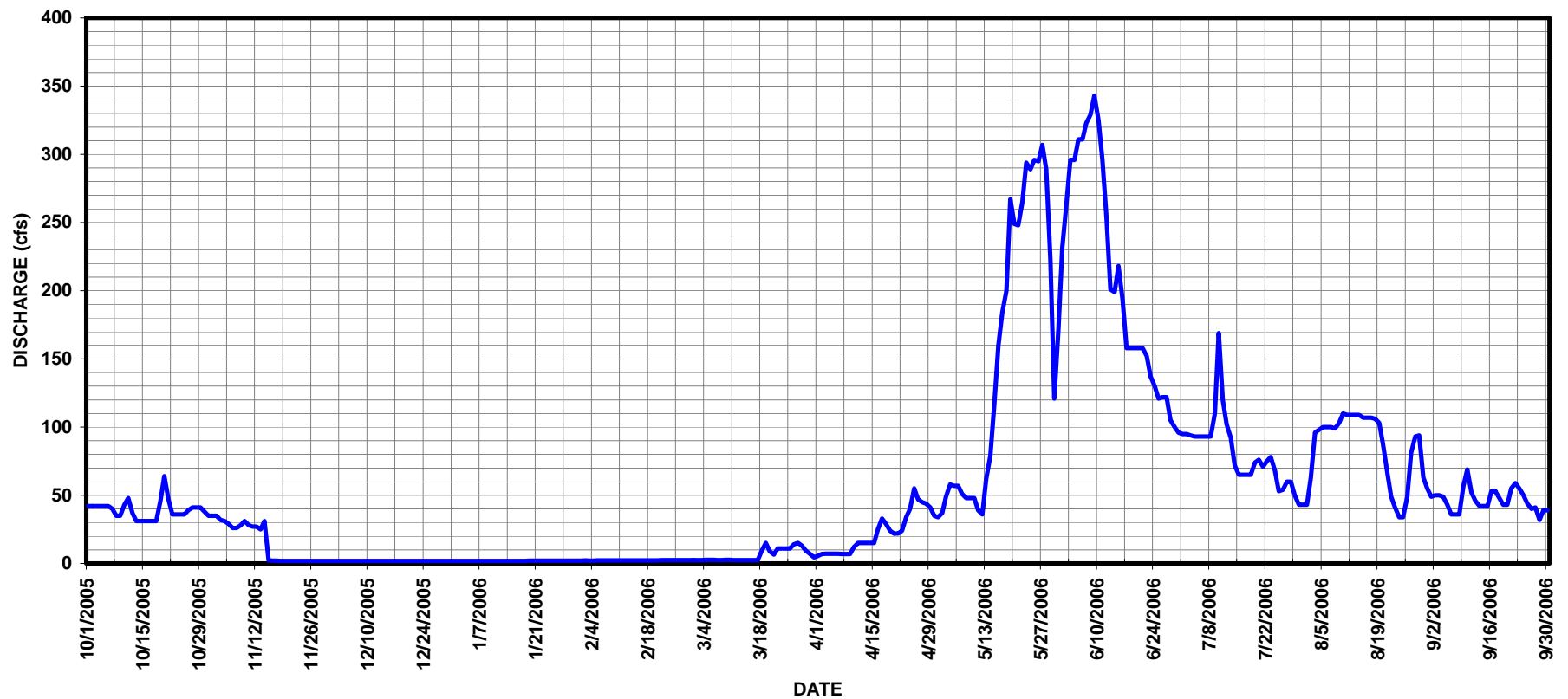
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	35	1.8	1.8	2.1	2.5	5.4	34	232	95	43	49
2	42	35	1.9	1.8	2.2	2.5	7.0	37	264	95	63	50
3	42	32	1.9	1.8	2.1	2.5	7.1	49	296	94	96	50
4	42	31	1.9	1.8	2.1	2.6	7.1	58	296	93	98	49
5	42	29	1.8	1.8	2.3	2.6	7.1	57	311	93	100	43
6	42	26	1.9	1.9	2.3	2.6	7.1	57	311	93	100	36
7	40	26	1.9	1.8	2.3	2.5	7.0	51	323	93	100	36
8	35	28	1.9	1.9	2.3	2.5	7.0	48	329	93	99	36
9	35	31	1.8	1.9	2.3	2.6	7.0	48	343	110	103	57
10	43	28	1.9	1.9	2.3	2.6	12	48	325	169	110	69
11	48	27	1.9	1.9	2.3	2.5	15	39	296	120	109	52
12	37	27	1.9	1.9	2.3	2.5	15	36	253	102	109	46
13	31	25	1.9	1.8	2.3	2.5	15	62	201	92	109	42
14	31	31	1.9	1.9	2.3	2.5	15	79	199	72	109	42
15	31	2.3	1.9	1.9	2.3	2.5	15	116	218	65	107	42
16	31	2.1	1.9	1.9	2.3	2.5	25	160	193	65	107	53
17	31	2.1	1.9	1.8	2.3	2.5	33	184	158	65	107	53
18	31	1.9	1.9	1.9	2.3	9.2	29	200	158	65	106	48
19	46	1.9	1.9	2.1	2.3	15	24	267	158	74	103	43
20	64	1.9	1.9	2.0	2.3	8.9	22	249	158	76	87	43
21	47	1.9	1.9	2.0	2.5	6.6	22	248	158	71	68	55
22	36	1.9	1.9	2.0	2.4	11	24	265	152	75	49	59
23	36	1.9	1.9	2.0	2.4	11	34	294	137	78	41	55
24	36	1.9	1.8	2.0	2.4	11	40	289	130	68	34	50
25	36	1.9	1.9	2.1	2.4	11	55	296	121	53	34	44
26	39	1.9	1.9	2.1	2.5	14	47	295	122	54	49	40
27	41	1.9	1.9	2.1	2.5	15	45	307	122	60	81	41
28	41	1.8	1.9	2.0	2.5	13	44	289	105	60	93	32
29	41	1.9	1.8	2.1	---	9.4	41	223	100	50	94	39
30	38	1.9	1.8	2.0	---	7.1	35	121	96	43	63	39
31	35	---	1.8	2.0	---	4.4	---	172	---	43	55	---
TOTAL	1212	442.1	58.2	59.9	64.9	189.6	668.8	4678	6265	2479	2626	1393
MEAN	39.1	14.7	1.88	1.93	2.32	6.12	22.3	151	209	80.0	84.7	46.4
AC-FT	2400	877	115	119	129	376	1330	9280	12430	4920	5210	2760
MAX	64	35	1.9	2.1	2.5	15	55	307	343	169	110	69
MIN	31	1.8	1.8	1.8	2.1	2.5	5.4	34	96	43	34	32

CAL YR	2005	TOTAL	21754.5	MEAN	59.6	MAX	340	MIN	1.8	AC-FT	43150
WTR YR	2006	TOTAL	20136.5	MEAN	55.2	MAX	343	MIN	1.8	AC-FT	39940

MAX DISCH: 355 CFS AT 14:15 ON Sep. 27, 2006 GH 3.05 FT. SHIFT 0.03 FT.
MAX GH: 3.05 FT. AT 14:15 ON Sep. 27, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07089520 COTTONWOOD CREEK AT BUENA VISTA, CO

LOCATION.--Lat 38°50'04", long 106°07'20", in NW¼NW¼, sec. 16, T.14 S., R. 78 W., in Chaffee County, on left bank, about 1500 ft. upstream from Arkansas River, and 1200 ft. upstream from bridge at Buena Vista High School.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR DCP) and shaft encoder in a 42-inch corrugated metal pipe shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. Outside staff gage used for supplemental reference. Satellite-monitored data are the primary record (graphic chart record is used for back-up purposes). Datum of gage 7930 ft. from topographic map.

REMARKS.-- Record is complete and reliable except for the following periods: Nov. 15,16, 27-30; Dec. 1, 4-19, 2005; Jan. 4-6, 9-11, 13, 14, 16-18, 20-24, 26-30; Feb. 3, 4, 6-14, 17-19, 21-26; Mar. 9, 11, 13, 14, 16, 17, 23, 24, 2006, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which is poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COCRBVC004 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

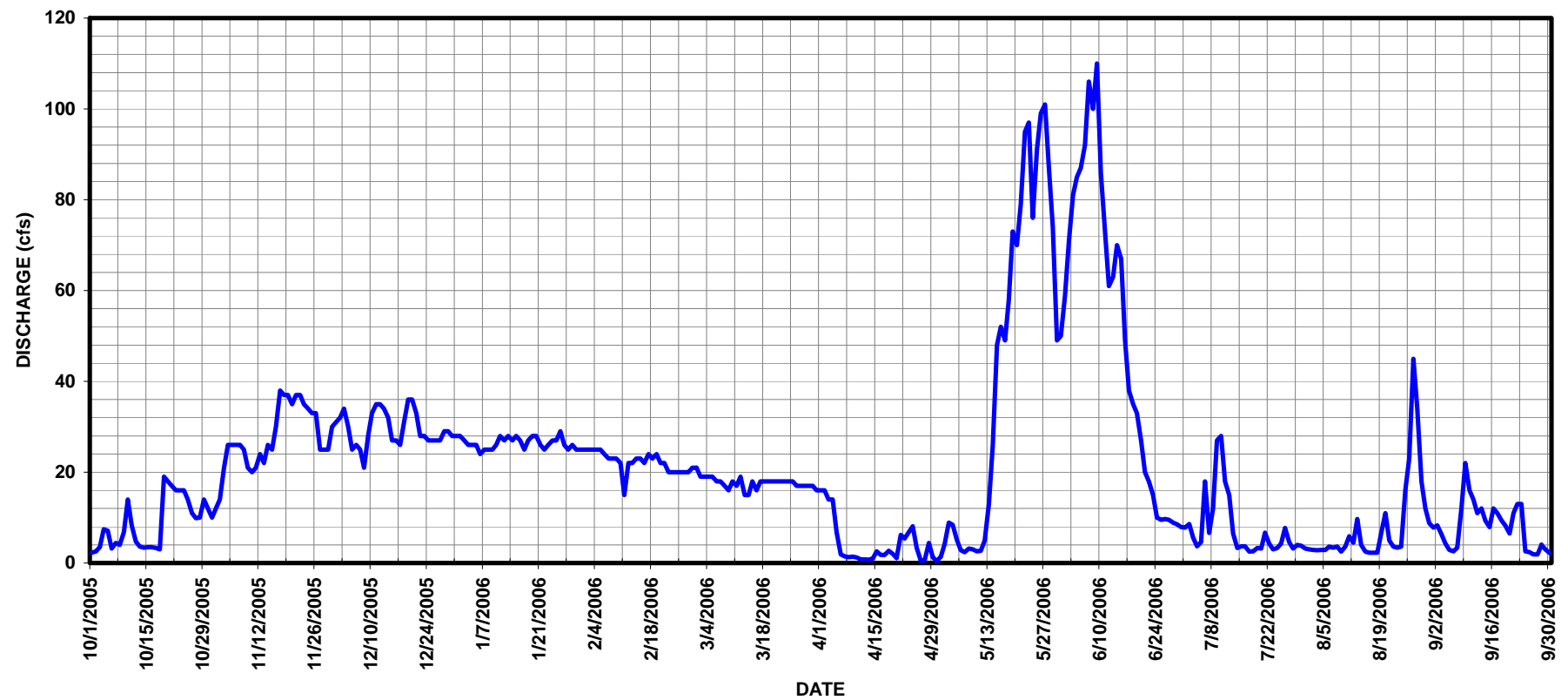
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	12	31	28	25	21	16	1.4	59	7.8	3.0	7.8
2	2.6	14	32	27	25	19	16	4.2	71	8.6	2.9	8.3
3	3.5	21	34	26	25	19	14	8.9	81	5.6	2.8	6.3
4	7.4	26	30	26	25	19	14	8.4	85	3.7	2.9	4.3
5	7.1	26	25	26	25	19	6.8	5.1	87	4.6	2.9	2.9
6	3.2	26	26	24	24	18	1.9	2.8	92	18	3.6	2.6
7	4.4	26	25	25	23	18	1.5	2.4	106	6.6	3.4	3.4
8	4.0	25	21	25	23	17	1.3	3.2	100	12	3.6	12
9	6.8	21	28	25	23	16	1.4	3.0	110	27	2.5	22
10	14	20	33	26	22	18	1.2	2.6	86	28	3.6	16
11	8.3	21	35	28	15	17	.81	2.7	73	18	5.9	14
12	4.7	24	35	27	22	19	.79	5.0	61	15	4.5	11
13	3.6	22	34	28	22	15	.72	13	63	6.5	9.7	12
14	3.4	26	32	27	23	15	1.0	26	70	3.3	4.0	9.3
15	3.5	25	27	28	23	18	2.6	48	67	3.7	2.5	7.9
16	3.5	30	27	27	22	16	1.8	52	49	3.7	2.3	12
17	3.3	38	26	25	24	18	1.8	49	38	2.5	2.3	11
18	3.0	37	31	27	23	18	2.7	58	35	2.6	2.3	9.4
19	19	37	36	28	24	18	2.0	73	33	3.3	6.6	8.2
20	18	35	36	28	22	18	1.1	70	27	3.2	11	6.5
21	17	37	33	26	22	18	6.2	79	20	6.7	5.0	11
22	16	37	28	25	20	18	5.4	95	18	4.3	3.6	13
23	16	35	28	26	20	18	6.8	97	15	3.0	3.4	13
24	16	34	27	27	20	18	8.1	76	10	3.3	3.6	2.6
25	14	33	27	27	20	18	3.4	91	9.5	4.3	16	2.4
26	11	33	27	29	20	17	.52	99	9.7	7.7	23	1.9
27	9.9	25	27	26	20	17	.70	101	9.5	4.6	45	1.9
28	10	25	29	25	21	17	4.4	87	8.9	3.2	34	4.0
29	14	25	29	26	---	17	1.3	74	8.5	4.0	18	3.0
30	12	30	28	25	---	17	.44	49	7.9	3.8	12	2.2
31	10	---	28	25	---	16	---	50	---	3.2	8.8	---
TOTAL	271.5	826	915	818	623	547	126.68	1336.7	1510.0	231.8	254.7	241.9
MEAN	8.76	27.5	29.5	26.4	22.2	17.6	4.22	43.1	50.3	7.48	8.22	8.06
AC-FT	539	1640	1810	1620	1240	1080	251	2650	3000	460	505	480
MAX	19	38	36	29	25	21	16	101	110	28	45	22
MIN	2.3	12	21	24	15	15	.44	1.4	7.9	2.5	2.3	1.9

CAL YR	2005	TOTAL	7467.88	MEAN	20.0	MAX	120	MIN	.75	AC-FT	14800
WTR YR	2006	TOTAL	7702.28	MEAN	21.1	MAX	110	MIN	.44	AC-FT	15280

MAX DISCH: 123 CFS AT 04:15 ON Jun. 9, 2006 GH 2.98 FT. SHIFT 0.07 FT.
MAX GH: 2.98 FT. AT 04:15 ON Jun. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07089520 COTTONWOOD CREEK AT BUENA VISTA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07091000 CHALK CREEK AT NATHROP, CO

LOCATION.--Lat 38°44'30", long 106°04'57", in SW¼SE¼NE¼SW¼ sec. 14, T.15 S., R.78 W., Chaffee County, on left bank, 640' north of the Junction of Co. Hwy. 162 and U.S. 285 on the frontage rd. parallel to U.S. 285, ¼ mi. south of Nathrop, Co., and 1 mi. west of the confluence of Chalk Creek and the Arkansas River.

DRAINAGE AREA.--N\A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink Logger HDR DCP) and shaft encoder in 32-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf. DCP data are primary record (graphic chart record is used for back-up purposes). Outside staff gage also used for reference purpose. Control is a concrete dam, tapered lower towards the center, located approximately 5 feet downstream. Elevation of gage 7660' from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: Dec. 5, 8, 9, 16, 17, 2005; Jan. 17, 21-24; Feb. 11, and Mar. 13-16, 2006, when ice affected the stage-discharge relationship. Record good, except during periods of ice effect, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--CHCRNACO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

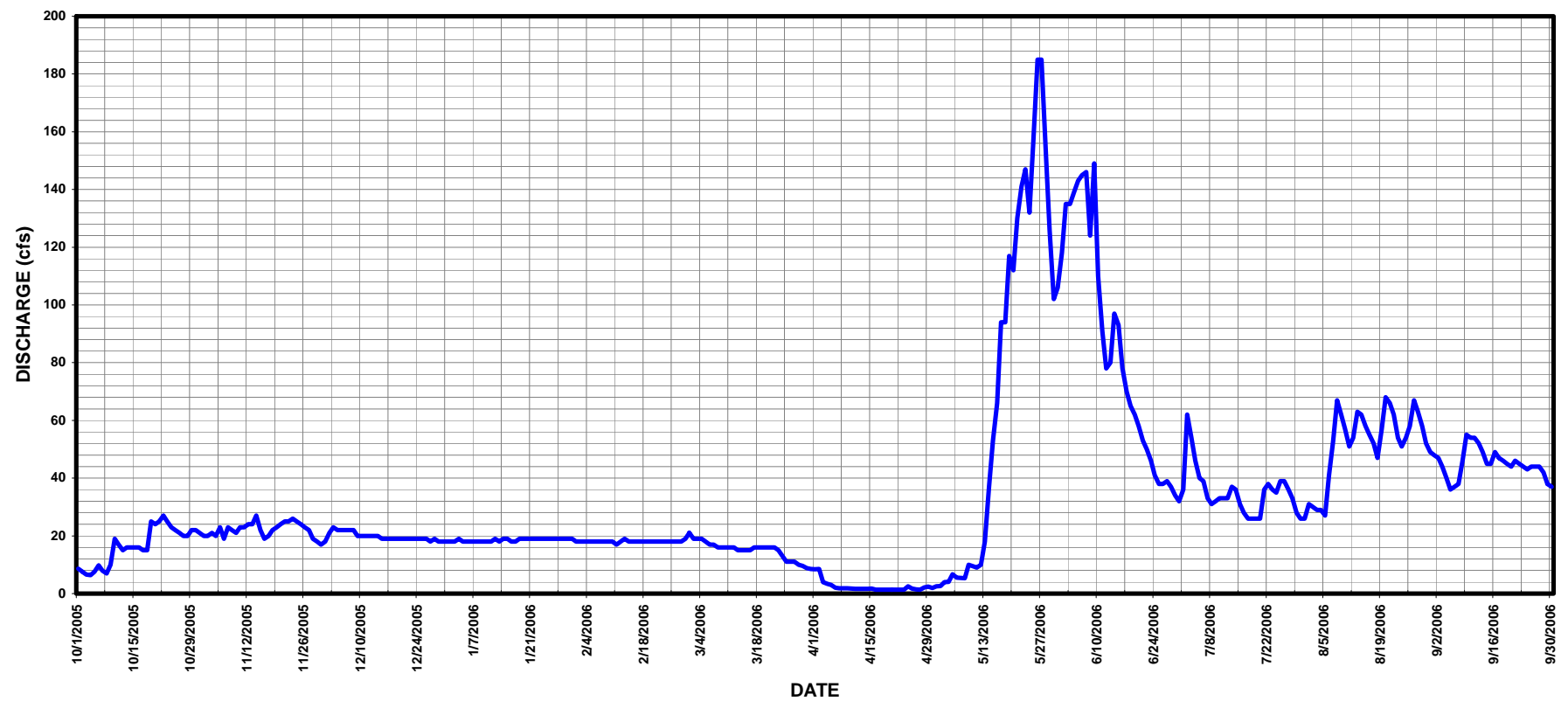
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	20	18	18	18	21	8.4	2.5	118	36	31	48
2	7.6	20	21	18	18	19	8.5	2.6	135	62	30	47
3	6.6	21	23	19	18	19	4.0	4.0	135	54	29	44
4	6.4	20	22	18	18	19	3.4	4.1	139	46	29	40
5	7.6	23	22	18	18	18	3.0	6.7	143	40	27	36
6	9.8	19	22	18	18	17	2.0	5.5	145	39	41	37
7	7.9	23	22	18	18	17	1.8	5.4	146	33	53	38
8	7.0	22	22	18	18	16	1.8	5.3	124	31	67	46
9	10	21	20	18	18	16	1.8	10	149	32	62	55
10	19	23	20	18	18	16	1.7	9.5	110	33	57	54
11	17	23	20	18	17	16	1.6	9.0	91	33	51	54
12	15	24	20	19	18	16	1.6	10	78	33	54	52
13	16	24	20	18	19	15	1.6	18	80	37	63	49
14	16	27	20	19	18	15	1.6	37	97	36	62	45
15	16	22	19	19	18	15	1.7	53	93	31	58	45
16	16	19	19	18	18	15	1.4	66	78	28	55	49
17	15	20	19	18	18	16	1.4	94	70	26	52	47
18	15	22	19	19	18	16	1.4	94	65	26	47	46
19	25	23	19	19	18	16	1.4	117	62	26	57	45
20	24	24	19	19	18	16	1.4	112	58	26	68	44
21	25	25	19	19	18	16	1.4	130	53	36	66	46
22	27	25	19	19	18	16	1.4	141	50	38	62	45
23	25	26	19	19	18	15	1.4	147	46	36	54	44
24	23	25	19	19	18	13	2.5	132	41	35	51	43
25	22	24	19	19	18	11	1.7	157	38	39	54	44
26	21	23	19	19	18	11	1.5	185	38	39	58	44
27	20	22	18	19	18	11	1.4	185	39	36	67	44
28	20	19	19	19	19	10	2.1	154	37	33	63	42
29	22	18	18	19	---	9.6	2.4	126	34	28	58	38
30	22	17	18	19	---	8.8	1.9	102	32	26	52	37
31	21	---	18	19	---	8.5	---	106	---	26	49	---
TOTAL	513.5	664	611	576	505	463.9	69.2	2230.6	2524	1080	1627	1348
MEAN	16.6	22.1	19.7	18.6	18.0	15.0	2.31	72.0	84.1	34.8	52.5	44.9
AC-FT	1020	1320	1210	1140	1000	920	137	4420	5010	2140	3230	2670
MAX	27	27	23	19	19	21	8.5	185	149	62	68	55
MIN	6.4	17	18	18	17	8.5	1.4	2.5	32	26	27	36

CAL YR	2005	TOTAL	12254.2	MEAN	34.0	MAX	245	MIN	2	AC-FT	24300
WTR YR	2006	TOTAL	12212.2	MEAN	33.5	MAX	185	MIN	1.4	AC-FT	24220

MAX DISCH: 227 CFS AT 02:30 ON May. 27, 2006 GH 4.3 FT. SHIFT 0 FT.
MAX GH: 4.3 FT. AT 02:30 ON May. 27, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07091000 CHALK CREEK AT NATHROP CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07091500 ARKANSAS RIVER AT SALIDA, CO

LOCATION.--Lat 38°32'45", long 106°00'36", in NE¼ sec. 31, T.50 N., R.9 E., Chaffee County on right bank at Salida, 450 ft. upstream from bridge on State Highway 291, and 2.7 mi. upstream from South Arkansas River.

DRAINAGE AREA.--1,218 mi².

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron Model 8210 DCP with high data rate transmitter) and shaft encoder in a 4'x 4' steel shelter placed over a stilling well. Shaft encoder and chart set to inside drop tape gage with adjustable RP on instrument shelf (augmented by an outside staff gage). Outside gage set 0.01 ft low. DCP log data are primary record (satellite data and A-35 chart used for back-up purposes). Cableway approximately 35 feet downstream from gage. Datum of gage is 7,050.45 ft.

REMARKS.--Record is complete and reliable except for the following periods: Nov. 28, 29; Dec. 1, 3-18, 2005; Jan. 5, 6, 10, 13, 16, 17, 20-25, 27,28; Feb. 3-6, 10-14, 16-21, 23-26; Mar. 14, 2006, when gage height was affected by ice on the control. May 14, 15, 2006, when the perforated float-tape hung up on the tape index. Record good, except for those periods of ice affected record, and the period of float-tape hang-up, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKSALCO29 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

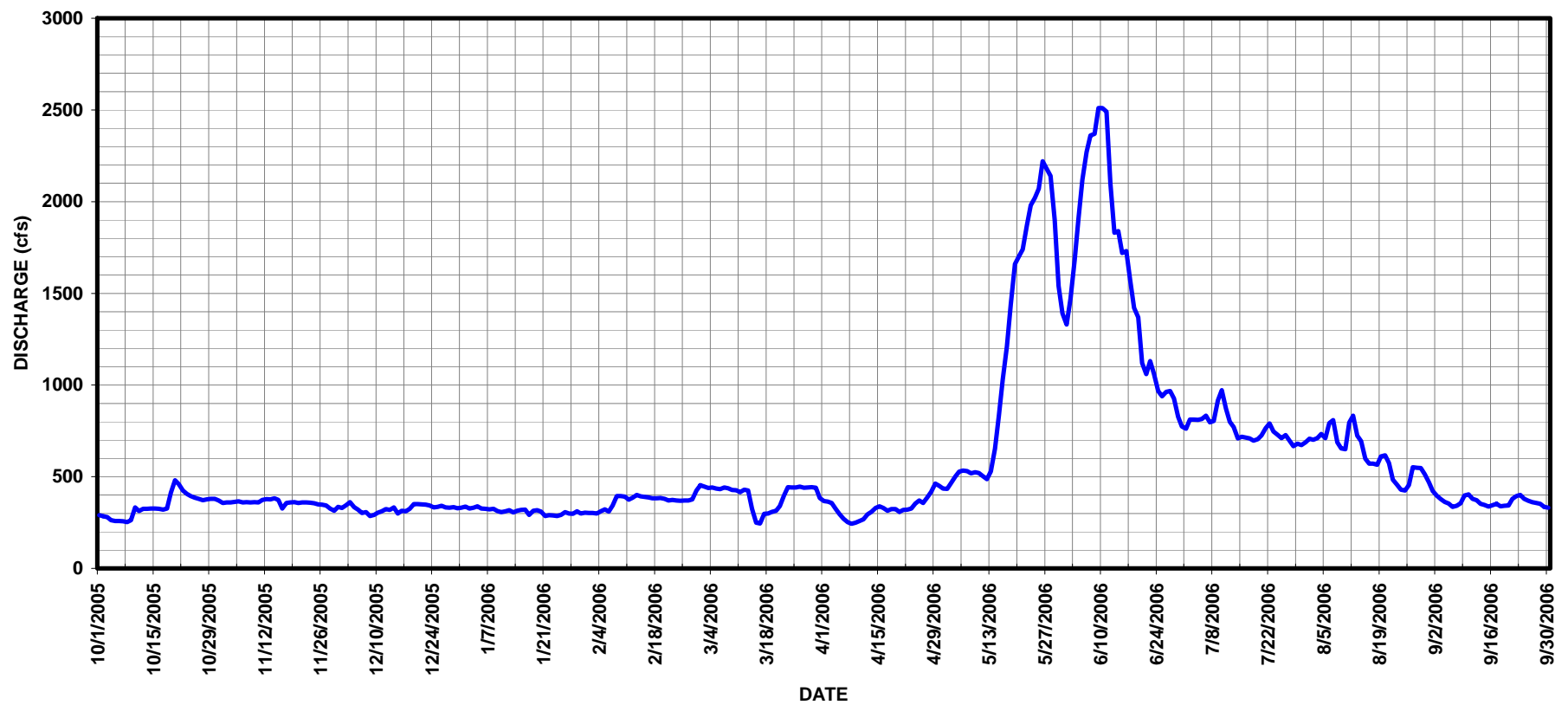
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	356	329	337	303	454	367	436	1330	762	708	422
2	284	360	344	327	302	446	364	434	1470	812	702	396
3	279	359	361	331	299	439	356	466	1680	812	711	378
4	263	362	334	339	312	442	323	500	1910	810	733	362
5	258	365	320	326	322	436	295	528	2120	815	710	354
6	258	359	303	325	310	432	270	533	2270	833	792	336
7	257	361	307	322	343	442	253	531	2360	797	809	341
8	252	360	285	325	394	437	244	518	2370	804	688	355
9	263	361	291	313	394	427	250	525	2510	916	655	397
10	332	360	304	307	391	426	258	520	2510	972	650	403
11	313	373	311	311	375	415	268	504	2490	872	795	380
12	325	378	324	317	386	429	295	487	2100	799	833	372
13	325	376	319	306	400	424	309	529	1830	771	724	352
14	326	382	332	314	393	325	330	653	1840	709	694	346
15	326	373	300	319	390	249	338	833	1720	718	598	337
16	325	327	315	320	387	245	330	1030	1730	713	572	344
17	321	356	312	292	382	297	315	1210	1570	709	572	352
18	327	360	325	314	382	300	324	1440	1420	697	565	339
19	413	361	351	317	384	309	323	1660	1370	705	610	341
20	481	356	351	310	380	314	309	1700	1120	726	617	343
21	460	360	349	286	370	340	319	1740	1060	764	575	379
22	425	360	347	290	374	398	320	1870	1130	791	484	395
23	407	358	343	288	371	443	326	1980	1060	746	456	401
24	394	355	333	286	369	442	354	2020	967	729	429	380
25	385	349	336	291	371	442	370	2070	939	711	425	369
26	379	348	342	307	371	446	356	2220	962	727	455	361
27	372	343	333	299	376	440	387	2180	967	696	551	356
28	377	327	331	298	425	441	417	2140	926	666	549	352
29	380	315	334	311	---	443	463	1900	827	680	547	336
30	380	336	328	300	---	440	451	1540	774	672	514	331
31	370	---	331	304	---	384	---	1390	---	688	470	---
TOTAL	10547	10696	10125	9632	10256	12347	9884	36087	47332	23622	19193	10910
MEAN	340	357	327	311	366	398	329	1164	1578	762	619	364
AC-FT	20920	21220	20080	19110	20340	24490	19600	71580	93880	46850	38070	21640
MAX	481	382	361	339	425	454	463	2220	2510	972	833	422
MIN	252	315	285	286	299	245	244	434	774	666	425	331

CAL YR	2005	TOTAL	169611	MEAN	465	MAX	2180	MIN	174	AC-FT	336400
WTR YR	2006	TOTAL	210631	MEAN	577	MAX	2510	MIN	244	AC-FT	417800

MAX DISCH: 3300 CFS AT 23:00 ON Aug. 11, 2006 GH 5.9 FT. SHIFT 0.04 FT.
MAX GH: 5.9 FT. AT 23:00 ON Aug. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07091500 ARKANSAS RIVER AT SALIDA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07093700 ARKANSAS RIVER NEAR WELLSVILLE, CO

LOCATION.--Lat 38°30'10", long 105°56'21", in SW¼NE¼ sec. 14, T.49 N., R.9 E., Chaffee County, Hydrologic Unit 11020001, on right bank 50 ft upstream from Chaffee-Fremont County line, 2.0 mi northwest of Wellsville, 2.8 mi downstream from South Arkansas River, and 3.5 mi southeast of Salida.

DRAINAGE AREA AND PERIOD OF RECORD.--1,485 mi². April 1961 to current year.

GAGE.--Station is equipped with a satellite-monitored data collection platform (Sutron 8210 DCP) with a Sutron Accububbler. The 8210 DCP log is the primary record, the satellite-monitored data are used as back-up. Accububbler set to outside horizontal chain weight gage. Concrete flood block with provisions for high and low stage orifice lines installed September 2002. New orifice lines were installed Aug. 28, 2003. Cableway located 400 feet downstream from gage. Datum of gage is 6,883.4 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete and reliable except for the following periods: Nov. 28-29; Dec. 1, 3-21, 2005; Jan. 5, 6, 10-14, 16, 17, 20-25, 28-30; Feb. 4, 6-8, 11, 12, 17-19, 2006, when the orifice line was temporarily frozen. The period of May 11-15 was considered suspect due to a large negative gage height correction taken on May 17 during a period of rising gage height and based on comparisons with the upstream gage Arkansas River at Salida. Record good, except during periods of orifice freezing and uncertain gage heights, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--ARKWELCO06A USED FROM 01-OCT-2005 TO 30-SEP-2006

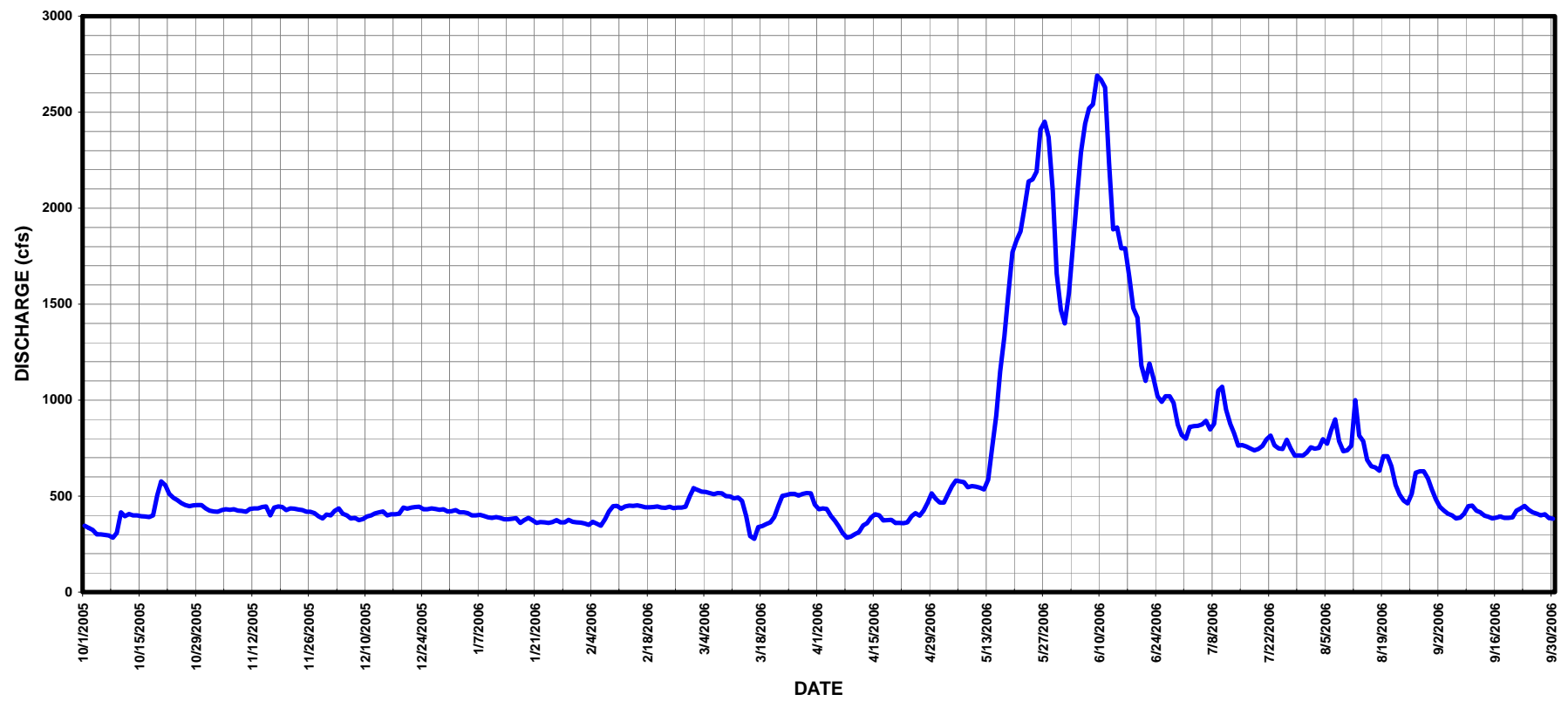
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	425	399	428	362	540	431	466	1400	800	754	483
2	334	420	423	416	358	532	436	467	1560	860	747	445
3	324	418	436	416	350	523	433	509	1800	865	752	424
4	301	428	409	411	367	522	397	552	2060	867	797	408
5	301	432	400	400	356	516	372	582	2290	873	773	399
6	298	429	383	400	346	510	342	577	2440	892	841	384
7	295	431	387	402	380	516	306	573	2520	848	900	388
8	283	425	375	397	420	515	283	547	2540	877	787	409
9	308	423	381	390	448	500	289	552	2690	1050	734	448
10	415	419	394	387	449	498	302	550	2670	1070	739	451
11	395	433	400	391	435	488	313	543	2630	950	763	425
12	407	436	410	387	446	493	347	535	2240	876	1000	415
13	400	436	415	380	450	475	359	586	1890	828	816	398
14	399	444	420	380	449	395	389	750	1900	763	786	393
15	395	446	400	382	452	292	406	920	1790	766	689	383
16	394	400	405	385	447	278	400	1150	1790	758	655	388
17	391	441	405	360	442	338	374	1330	1640	749	650	394
18	399	446	409	375	442	345	375	1550	1480	738	632	386
19	505	443	440	387	444	355	376	1770	1430	745	708	387
20	577	427	435	375	446	364	360	1830	1180	762	708	390
21	556	436	440	360	441	391	360	1880	1100	795	656	424
22	511	435	444	365	439	450	359	2000	1190	815	558	436
23	491	430	445	363	445	501	364	2140	1110	765	509	449
24	479	427	432	361	437	506	396	2150	1020	748	477	429
25	464	419	431	365	440	511	411	2190	991	746	462	416
26	454	418	436	375	441	511	398	2410	1020	794	513	408
27	448	411	433	363	445	503	425	2450	1020	748	622	399
28	452	395	429	363	499	512	466	2370	986	711	629	405
29	454	383	432	376	---	516	515	2090	872	712	629	387
30	453	404	420	366	---	514	486	1660	818	711	591	382
31	436	---	422	364	---	456	---	1470	---	727	537	---
TOTAL	12665	12760	12890	11870	11876	14366	11470	39149	50067	25209	21414	12333
MEAN	409	425	416	383	424	463	382	1263	1669	813	691	411
AC-FT	25120	25310	25570	23540	23560	28490	22750	77650	99310	50000	42470	24460
MAX	577	446	445	428	499	540	515	2450	2690	1070	1000	483
MIN	283	383	375	360	346	278	283	466	818	711	462	382
CAL YR	2005	TOTAL	193110	MEAN	529	MAX	2450	MIN	231	AC-FT	383000	
WTR YR	2006	TOTAL	236069	MEAN	647	MAX	2690	MIN	278	AC-FT	468200	

MAX DISCH: 3320 CFS AT 00:00 ON Aug. 12, 2006 GH 6.73 FT. SHIFT 0.08 FT.
MAX GH: 6.73 FT. AT 00:00 ON Aug. 12, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07093700 ARKANSAS RIVER NEAR WELLSVILLE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07095000 GRAPE CREEK NEAR WESTCLIFFE, CO

LOCATION.--Lat 38°11'10", long 105°28'59", in NW¼NW¼ sec. 31, T.21 S., R.72 W., Custer County, Hydrologic Unit 110200001, on left bank 0.5 mi upstream from water line of De Weese Reservoir at elevation 7,665 ft, 0.5 mi downstream from Swift Creek, and 3.6 mi northwest of Westcliffe.

DRAINAGE AREA.--320 mi².

GAGE.--Graphic water stage recorder, satellite monitored data collection platform (Sutron Model 8210 DCP) and shaft encoder in a 48-inch diameter metal pipe (CMP) shelter and well. Primary record is DCP log data with the graphic chart recorder and satellite data used for backup purposes. Primary reference gage is electric drop tape inside well. No outside staff gage. The control is a compound, broad-crested weir located 17 ft. downstream from the gage. Elevation of gage is 7,690 ft, from topographic map. Prior to Mar, 17, 1939, at site 30 ft upstream at present datum.

REMARKS.-- Record is complete and reliable except for the following periods: November 16-30; December 1, 2, 4-6, 29-31, 2005; January 12; and March 13-14, 2006 when the stage-discharge relationship was affected by shore ice and ice on the control; and, December 7-28, 2005; January 1-11, 16-31; February 1-27, 2006 when chart and shaft encoder floats were frozen in ice in the well, the well was frozen, intakes were frozen, and the control was frozen over. Record good, except for periods of ice effect and no gage height record, which are poor. Station maintained and record developed by T.W. Ley.

RATING TABLE.--GRAWESCO08 USED FROM 01-OCT-2005 TO 06-OCT-2005
GRAWESCO09 USED FROM 06-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

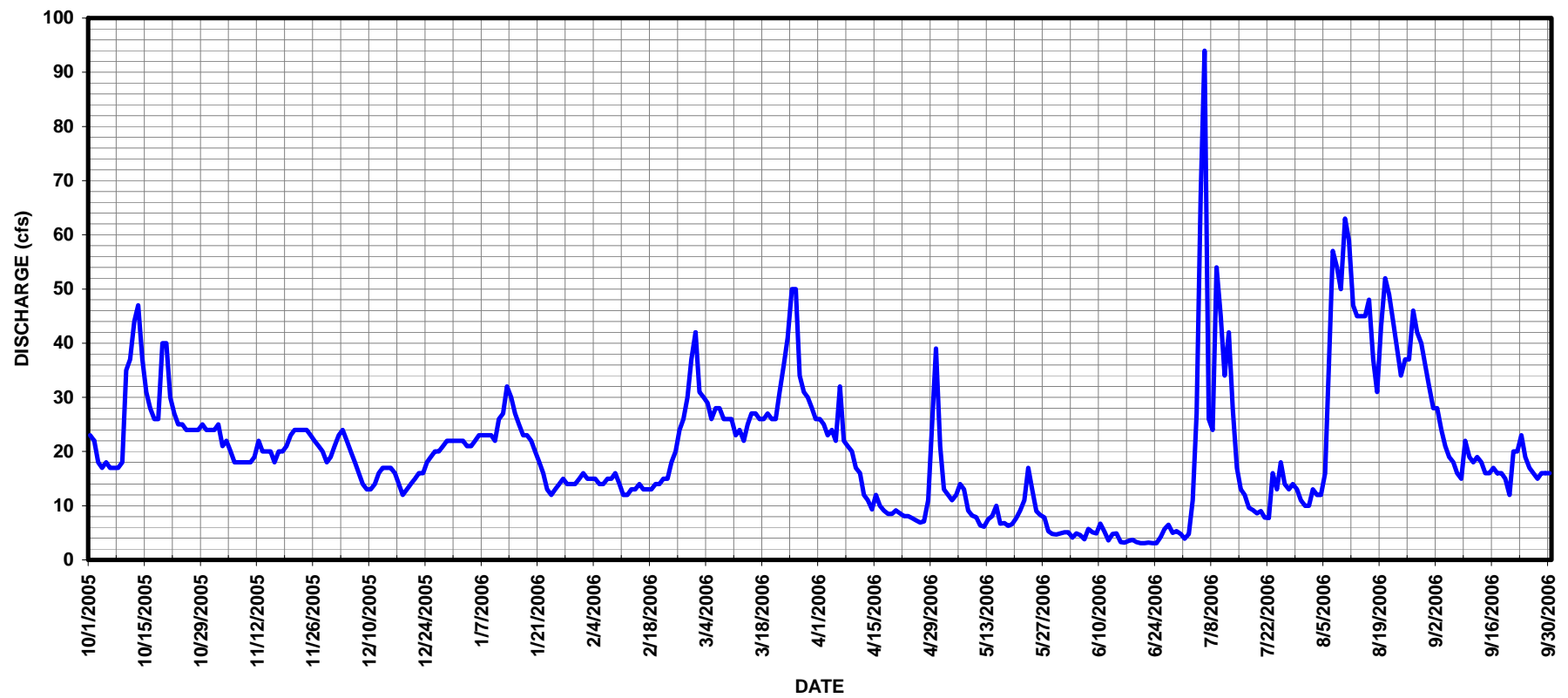
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	24	21	22	16	42	26	21	5.1	3.9	10	28
2	22	25	23	22	15	31	25	13	5.1	4.8	13	28
3	18	21	24	21	15	30	23	12	4.1	11	12	24
4	17	22	22	21	15	29	24	11	4.9	27	12	21
5	18	20	20	22	14	26	22	12	4.6	67	16	19
6	17	18	18	23	14	28	32	14	3.8	94	36	18
7	17	18	16	23	15	28	22	13	5.7	26	57	16
8	17	18	14	23	15	26	21	9.1	5.1	24	54	15
9	18	18	13	23	16	26	20	8.2	4.9	54	50	22
10	35	18	13	22	14	26	17	7.9	6.7	45	63	19
11	37	19	14	26	12	23	16	6.4	5.2	34	59	18
12	44	22	16	27	12	24	12	6.1	3.6	42	47	19
13	47	20	17	32	13	22	11	7.5	4.8	28	45	18
14	37	20	17	30	13	25	9.3	8.1	4.9	17	45	16
15	31	20	17	27	14	27	12	10	3.3	13	45	16
16	28	18	16	25	13	27	10	6.7	3.2	12	48	17
17	26	20	14	23	13	26	9.1	6.8	3.5	9.6	37	16
18	26	20	12	23	13	26	8.5	6.3	3.7	9.2	31	16
19	40	21	13	22	14	27	8.5	6.6	3.3	8.6	43	15
20	40	23	14	20	14	26	9.1	7.7	3.1	9.0	52	12
21	30	24	15	18	15	26	8.6	9.1	3.1	7.8	49	20
22	27	24	16	16	15	31	8.1	11	3.2	7.7	44	20
23	25	24	16	13	18	36	8.1	17	3.1	16	39	23
24	25	24	18	12	20	41	7.7	13	3.1	13	34	19
25	24	23	19	13	24	50	7.3	9.0	4.2	18	37	17
26	24	22	20	14	26	50	6.9	8.3	5.7	14	37	16
27	24	21	20	15	30	34	7.1	7.8	6.5	13	46	15
28	24	20	21	14	37	31	11	5.3	5.0	14	42	16
29	25	18	22	14	---	30	25	4.8	5.3	13	40	16
30	24	19	22	14	---	28	39	4.7	4.8	11	36	16
31	24	---	22	15	---	26	---	4.9	---	10	32	---
TOTAL	834	624	545	635	465	928	466.3	288.3	132.6	676.6	1211	551
MEAN	26.9	20.8	17.6	20.5	16.6	29.9	15.5	9.30	4.42	21.8	39.1	18.4
AC-FT	1650	1240	1080	1260	922	1840	925	572	263	1340	2400	1090
MAX	47	25	24	32	37	50	39	21	6.7	94	63	28
MIN	17	18	12	12	12	22	6.9	4.7	3.1	3.9	10	12

CAL YR	2005	TOTAL	14396	MEAN	39.4	MAX	259	MIN	8.1	AC-FT	28550
WTR YR	2006	TOTAL	7356.8	MEAN	20.2	MAX	94	MIN	3.1	AC-FT	14590

MAX DISCH: 330 CFS AT 00:45 ON Jul. 6, 2006 GH 2.32 FT. SHIFT -0.02 FT.
MAX GH: 2.32 FT. AT 00:45 ON Jul. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07095000 GRAPE CREEK NEAR WESTCLIFFE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07096000 ARKANSAS RIVER AT CANON CITY, CO

LOCATION.--Lat 38°26'02", long 105°15'24", in SE¼SE¼ sec. 31, T.18 S., R.70 W., Fremont County, Hydrologic Unit 11020002, on right bank 800 ft upstream from Sand Creek, 0.7 mi downstream from Grape Creek, and 0.7 mi upstream from First Street Bridge in Canon City.

DRAINAGE AREA AND PERIOD OF RECORD.--3,117 mi². January 1888 to current year. Monthly data only for some periods. Published as near Canyon 1900-1906.

GAGE.--Graphic water-stage recorder, with high data rate DCP (Sutron 8210) and SDI shaft encoder installed July 25, 2002, in 42-inch diameter CMP shelter and well. Primary reference gage is electric drop tape inside well. Control is man-made concrete diversion dam located approximately 200 feet downstream. Cableway 15-20 feet downstream from gage. USGS Hydrolab is co-located at gage. Datum of gage is 5,342.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Record is complete and reliable, except for the following days when ice affected the gage height: Nov. 30; Dec. 1-19, 2005; Jan. 21-25; Feb. 7-8, 11-13, 17-23, 25, 26, 2006. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained by Division 2 Hydrographic Staff and record developed by M. A. Perry.

RATING TABLE.--ARKCANCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

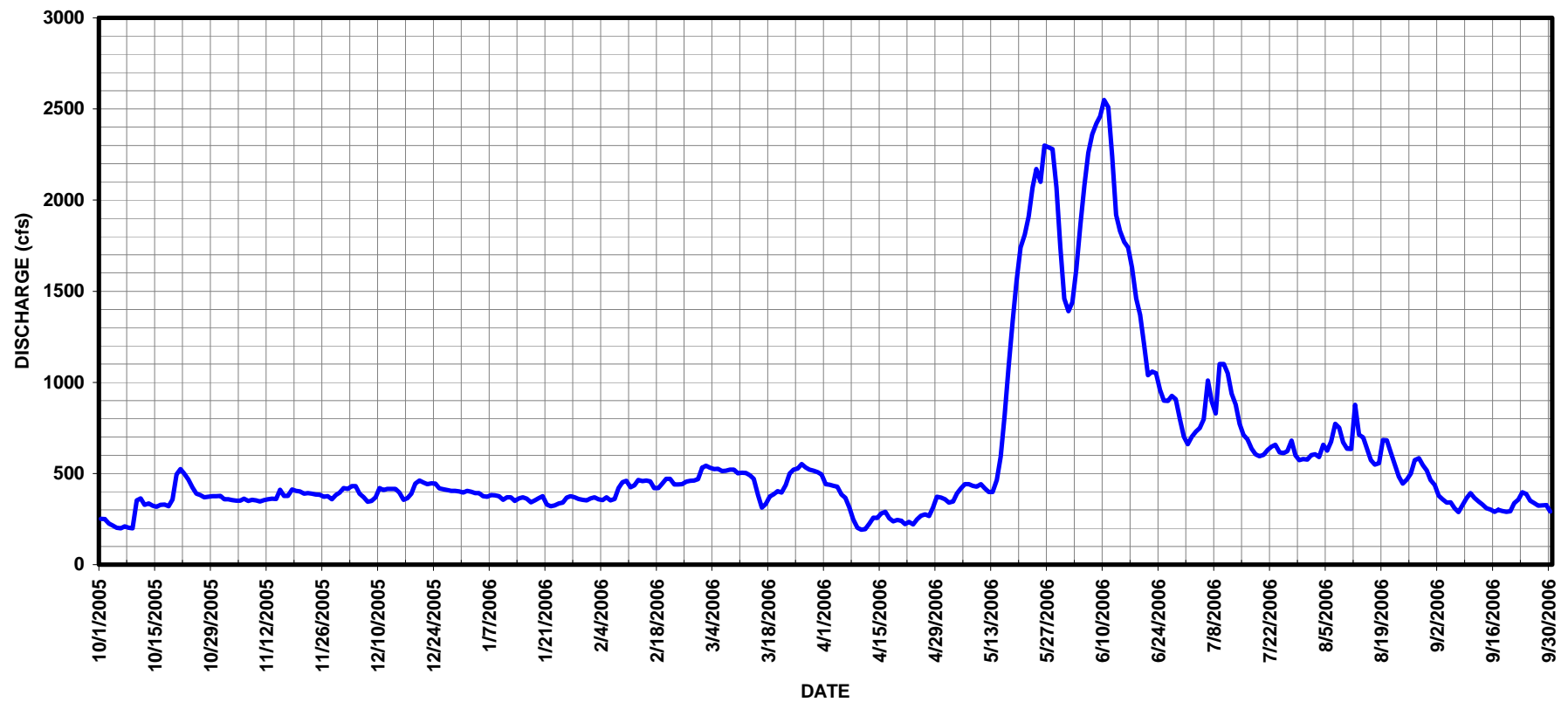
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	251	358	420	404	363	532	442	358	1390	661	601	437
2	250	359	415	400	369	543	438	340	1440	701	606	379
3	225	354	430	393	359	532	432	346	1620	729	590	359
4	215	351	430	393	354	525	427	391	1870	749	657	340
5	203	351	390	376	369	526	385	418	2080	797	626	342
6	200	362	370	373	353	514	367	441	2260	1010	675	309
7	210	349	345	381	360	515	315	441	2360	893	772	288
8	202	356	350	380	420	521	248	432	2420	829	751	328
9	200	353	370	376	452	521	202	427	2460	1100	671	365
10	352	346	420	355	460	502	192	441	2550	1100	636	392
11	364	354	410	370	425	504	194	419	2510	1050	634	366
12	328	358	415	370	435	503	226	399	2240	938	877	347
13	336	362	415	350	465	491	258	398	1920	879	713	330
14	324	361	415	364	459	471	256	464	1830	772	697	309
15	318	411	395	369	462	384	280	593	1770	711	636	302
16	328	377	355	362	457	312	290	819	1740	688	573	290
17	330	377	365	342	420	333	255	1080	1630	636	549	300
18	321	412	390	352	420	374	238	1340	1460	605	557	294
19	357	404	445	365	445	386	246	1560	1370	595	684	290
20	495	402	461	376	470	403	241	1740	1210	603	682	293
21	524	389	450	330	470	395	223	1810	1040	628	612	337
22	498	393	441	320	440	437	234	1910	1060	647	547	357
23	468	390	446	325	440	500	221	2070	1050	658	483	397
24	423	385	445	335	442	521	249	2170	959	617	445	388
25	389	383	418	340	455	527	269	2100	900	612	467	351
26	381	372	414	368	460	552	276	2300	898	623	500	337
27	369	376	409	375	461	533	266	2290	926	680	574	323
28	372	358	405	369	469	521	313	2280	907	599	584	325
29	376	382	404	360	---	515	373	2070	797	574	546	326
30	375	395	402	355	---	507	368	1740	702	579	517	292
31	377	---	396	353	---	495	---	1460	---	576	464	---
TOTAL	10361	11180	12636	11281	11954	14895	8724	35047	47369	22839	18926	10093
MEAN	334	373	408	364	427	480	291	1131	1579	737	611	336
AC-FT	20550	22180	25060	22380	23710	29540	17300	69520	93960	45300	37540	20020
MAX	524	412	461	404	470	552	442	2300	2550	1100	877	437
MIN	200	346	345	320	353	312	192	340	702	574	445	288

CAL YR	2005	TOTAL	191529	MEAN	525	MAX	2570	MIN	162	AC-FT	379900
WTR YR	2006	TOTAL	215305	MEAN	590	MAX	2550	MIN	192	AC-FT	427100

MAX DISCH: 2600 CFS AT 04:45 ON Jun. 10, 2006 GH 8.19 FT. SHIFT -0.02 FT.
MAX GH: 8.19 FT. AT 04:45 ON Jun. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07096000 ARKANSAS RIVER AT CANON CITY CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07097000 ARKANSAS RIVER AT PORTLAND, CO

LOCATION.--Lat 38°23'18", long 105°00'56", in NE¼NE¼ sec. 20, T.19 S., R.68 W., Fremont County, Hydrologic Unit 11020002, on right bank at bridge on State Highway 120 at Portland and 1 mi downstream from Hardscrabble Creek.

DRAINAGE AREA.--4,024 mi².

GAGE.--Sutron 8210 satellite-monitored data collection platform (DCP) and high data rate transmitter (HDR) with shaft encoder and a graphic water-stage recorder in 36-inch diameter CMP shelter and well. Primary record is 8210 data logger with the graphic chart recorder used for backup purposes. Primary reference gage is a drop tape referenced to an adjustable RP mounted on the instrument shelf inside the shelter. A cablecar is suspended from a monorail attached to upstream side of Hwy 120 bridge 10-15 feet downstream from gage. USGS Hydrolab monitored by DCP for water temperature and specific conductance. The DCP was replaced Jan 28, 2006. The shaft encoder was replaced on Feb 2 and 10, 2006. The graphic chart recorder and shaft encoder were replaced July 6, 2006 as a result of a high water event on July 5-6, 2006.

REMARKS.--Record is complete and reliable except for: November 29, 30; December 5-11, 15-20, 2005; January 21-23; February 11-12, 17-22, 2006 when ice on the control and in the channel affected the stage-discharge relationship; and, July 5-6 2006 when a major rainfall-runoff event swamped the shaft encoder and chart recorder inside the CMP shelter. Record is considered good, except during periods of ice affect and estimated high flows, which are poor. Station maintained by Division 2 Hydrographic Staff and record developed by T.W. Ley.

RATING TABLE.--ARKPORCO06 USED FROM 01-OCT-2005 TO 04-JUL-2006
ARKPORCO07 USED FROM 04-JUL-2006 TO 30-SEP-2006

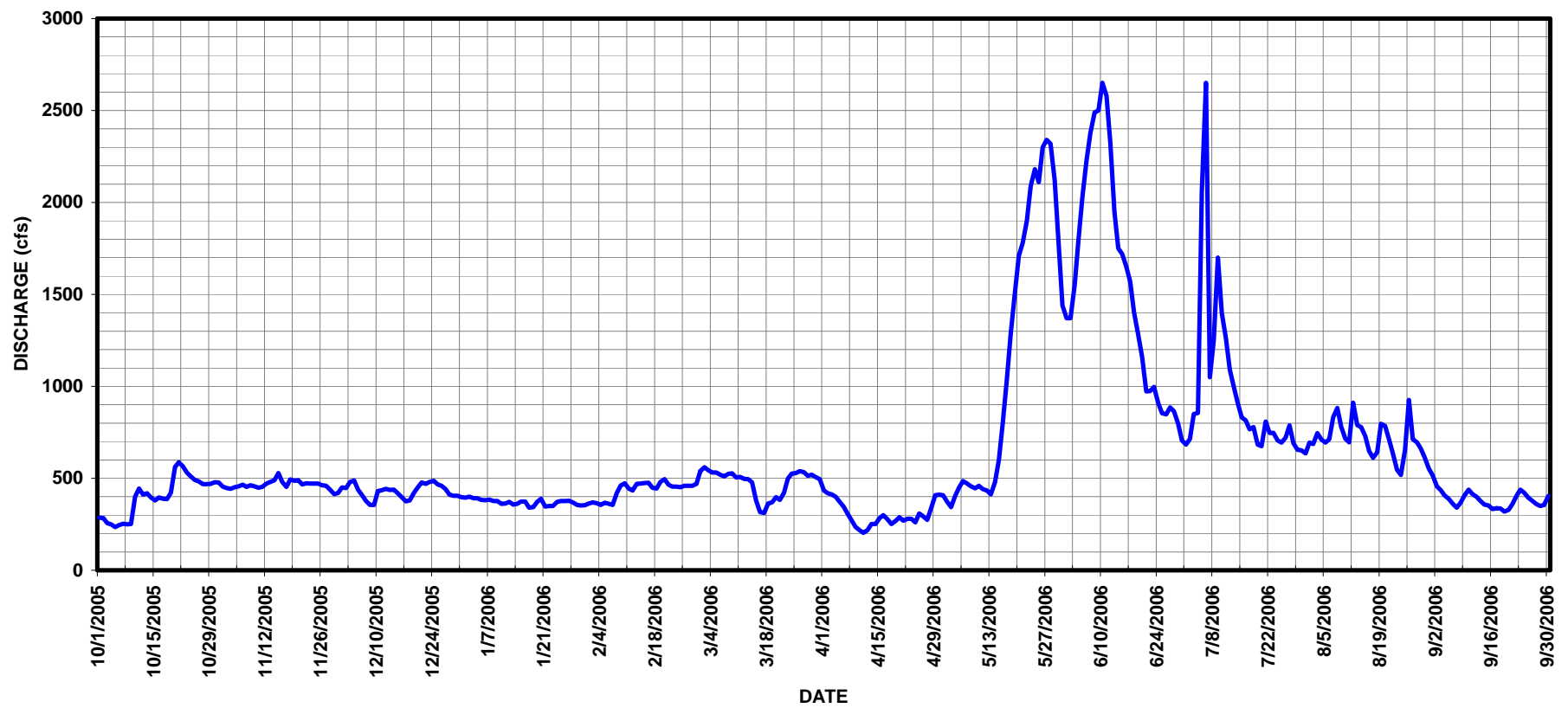
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	286	455	451	395	363	539	434	408	1370	683	695	515
2	283	448	448	401	369	560	419	372	1370	714	687	457
3	256	443	480	391	364	543	413	344	1550	849	746	435
4	250	452	488	391	356	532	399	405	1800	855	712	406
5	235	457	439	383	367	531	372	450	2030	2060	694	388
6	245	465	410	381	362	519	346	485	2230	2650	712	363
7	253	454	377	384	355	511	307	472	2380	1050	832	341
8	250	463	355	376	420	524	272	456	2490	1250	883	367
9	252	457	355	377	461	527	235	446	2500	1700	780	407
10	401	449	430	361	473	505	219	459	2650	1400	715	439
11	444	454	435	363	444	507	204	442	2580	1260	696	414
12	411	471	443	372	434	497	219	434	2320	1090	911	399
13	418	480	437	357	470	495	251	412	1950	1000	789	376
14	396	490	439	361	472	479	252	479	1750	906	778	357
15	379	529	419	374	474	378	283	600	1720	832	729	353
16	396	480	398	374	476	316	300	799	1650	815	647	333
17	389	453	375	341	449	312	277	1040	1570	767	612	338
18	387	494	380	343	444	363	252	1290	1400	779	642	336
19	422	487	420	372	480	369	268	1510	1280	683	797	319
20	562	489	450	389	495	398	288	1710	1160	674	785	328
21	587	467	478	347	465	383	270	1780	973	808	712	360
22	565	473	470	350	455	422	280	1900	975	747	635	403
23	532	471	480	350	455	498	280	2090	997	747	546	439
24	510	471	487	372	452	525	260	2180	910	706	518	421
25	491	472	467	376	460	529	308	2110	854	695	655	394
26	483	462	459	376	459	539	294	2300	848	721	926	378
27	469	460	441	378	459	533	274	2340	886	788	713	360
28	468	438	411	369	470	514	337	2320	864	692	696	349
29	470	414	405	355	---	519	408	2120	797	655	661	355
30	479	420	405	353	---	506	411	1780	707	652	613	403
31	477	---	397	354	---	495	---	1440	---	636	552	---
TOTAL	12446	13918	13329	11466	12203	14868	9132	35373	46561	29864	22069	11533
MEAN	401	464	430	370	436	480	304	1141	1552	963	712	384
AC-FT	24690	27610	26440	22740	24200	29490	18110	70160	92350	59240	43770	22880
MAX	587	529	488	401	495	560	434	2340	2650	2650	926	515
MIN	235	414	355	341	355	312	204	344	707	636	518	319

CAL YR 2005 TOTAL 208873 MEAN 572 MAX 2840 MIN 201 AC-FT 414300
WTR YR 2006 TOTAL 232762 MEAN 638 MAX 2650 MIN 204 AC-FT 461700

MAX DISCH: 15900 CFS AT 00:00 (estimated) ON Jul. 6, 2006 GH 12.94 FT. (by levels) SHIFT 0 FT.
MAX GH: 12.94 FT. (by levels) AT 00:00 (estimated) ON Jul. 6, 2006

07097000 ARKANSAS RIVER AT PORTLAND CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07099400 ARKANSAS RIVER ABOVE PUEBLO, CO

LOCATION.--Lat 38°16'18", long 104°43'03", in SE¼NE¼ sec. 36, T.20 S., R.66 W., Pueblo County, Hydrologic Unit 11020002, on left bank of Arkansas River, 200' downstream from NE corner of Arkansas River bridge, approx. 0.4 mi. downstream from Pueblo Dam, and 7 mi. West of Pueblo.

DRAINAGE AREA AND PERIOD OF RECORD.--4,670 mi². October 1965 to current year. Periodic water quality and sediment data available Oct. 1965 to current year.

GAGE.--Satellite-monitored data collection platform (high data rate Sutron 8210 DCP), Sutron Accububble, shaft encoder and chart recorder in a 4 ft x 4 ft concrete block shelter over a stilling well. Primary record is the DCP log of accububble data with the graphic chart recorder, shaft encoder, and satellite data used for backup purposes when the stilling well is not isolated (gage height 1.80 ft and below). Primary reference gage is outside staff gage for lower flows (maximum gage height of 2.69 feet), and an electric drop tape referenced to a fixed index mounted on the instrument shelf inside the shelter when well has contact to the river (gage height 1.80 feet and above). Cableway approximately 20 feet upstream from gage. USGS Hydrolab monitored by DCP. Elevation of gage is 4740 ft above NGV Datum of 1929.

REMARKS.--Record is complete and reliable for entire water year, except for: December 7, 10-13, 2005 due to a DCP malfunction and the well was isolated. For the period from 1200 November 3 to 2030 December 6 gage-height record was obtained from satellite data due to a DCP malfunction that erased the DCP log. For the period from 2300 July 7 to 0900 July 11 there were DCP and accububble problems. Chart and shaft encoder data were used without loss of accuracy. Record good, except during the period of well isolation, which is fair. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKPUECO17 USED FROM 01-OCT-2005 TO 30-SEP-2006

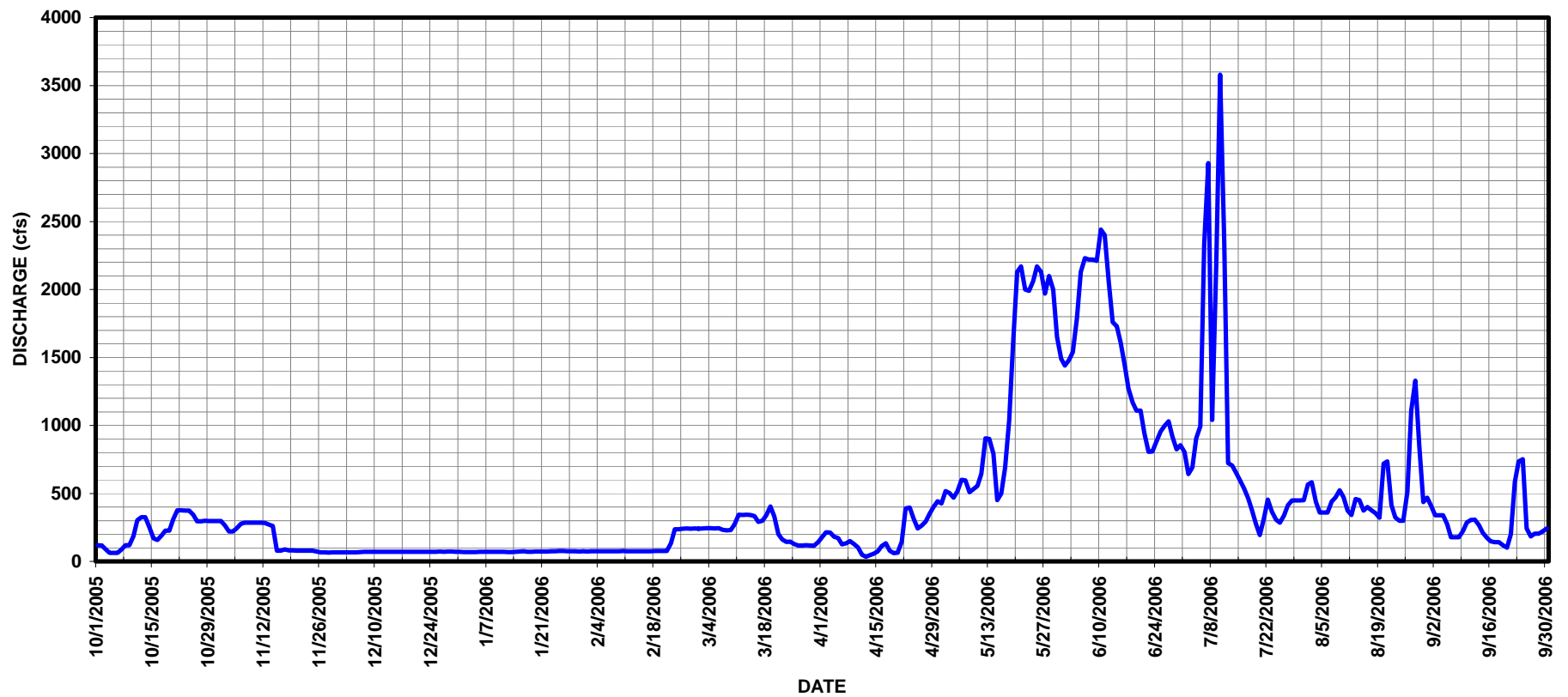
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	296	67	69	73	241	180	427	1440	805	566	407
2	117	263	67	68	74	243	214	517	1480	642	581	340
3	91	220	67	69	74	245	213	504	1540	691	439	340
4	62	220	67	69	75	244	182	468	1790	905	359	340
5	62	245	67	71	75	243	172	516	2130	994	359	272
6	62	276	68	70	75	244	125	599	2230	2330	359	177
7	87	285	70	70	75	232	133	596	2220	2930	441	177
8	120	285	71	70	74	228	149	510	2220	1040	471	177
9	120	285	71	70	75	230	127	531	2210	2190	524	225
10	185	285	71	71	76	272	104	556	2440	3580	472	287
11	304	284	71	70	74	343	48	645	2400	2350	373	306
12	326	283	71	69	74	342	34	906	2050	723	341	307
13	325	270	71	69	74	344	46	901	1760	706	459	266
14	251	261	70	70	74	342	56	791	1730	653	451	210
15	169	79	71	72	74	333	75	450	1610	594	373	174
16	158	79	71	74	74	290	113	499	1440	537	399	148
17	189	88	71	70	75	300	133	689	1270	464	376	142
18	227	80	71	71	76	339	78	1040	1170	375	356	141
19	226	80	71	73	76	404	61	1600	1110	275	321	120
20	309	79	71	73	76	331	65	2130	1110	194	719	101
21	376	79	70	72	76	200	145	2170	941	318	735	200
22	375	79	71	72	133	161	389	2000	807	454	414	584
23	374	78	71	74	237	144	395	1990	809	366	323	736
24	373	79	71	75	237	145	315	2060	882	307	298	752
25	343	72	71	77	241	127	243	2170	955	285	298	243
26	294	66	72	76	242	118	262	2130	995	338	512	183
27	294	66	71	74	240	118	292	1970	1030	412	1110	205
28	298	65	72	74	243	119	349	2100	917	449	1330	205
29	297	66	72	74	---	117	402	2000	824	449	858	220
30	297	66	71	73	---	116	442	1650	855	448	436	243
31	296	---	71	74	---	142	---	1490	---	450	468	---
TOTAL	7127	4959	2178	2223	3142	7297	5542	36605	44365	27254	15521	8228
MEAN	230	165	70.3	71.7	112	235	185	1181	1479	879	501	274
AC-FT	14140	9840	4320	4410	6230	14470	10990	72610	88000	54060	30790	16320
MAX	376	296	72	77	243	404	442	2170	2440	3580	1330	752
MIN	62	65	67	68	73	116	34	427	807	194	298	101

CAL YR	2005	TOTAL	141982.6	MEAN	389	MAX	2570	MIN	2.2	AC-FT	281600
WTR YR	2006	TOTAL	164441	MEAN	451	MAX	3580	MIN	34	AC-FT	326200

MAX DISCH: 4240 CFS AT 13:45 ON Jul. 10, 2006 GH 6.93 FT. SHIFT 0.2 FT.
MAX GH: 6.93 FT. AT 13:45 ON Jul. 10, 2006

07099400 ARKANSAS RIVER ABOVE PUEBLO CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING, CO

LOCATION.--Lat 37°43'40", long 105°21'03", in sec 5, T.27 S., R.71 W., Huerfano County, on left bank at Manzanares crossing, 500 ft downstream from private bridge, .2 mi downstream from Manzanares Creek, and 3.5 mi southwest of Redwing.

DRAINAGE AREA.--73 mi².

GAGE.--Sutron 8210 satellite-monitored high data rate data collection platform (DCP) with shaft encoder and graphic water-stage recorder, inside a 48-inch diameter corrugated metal pipe (CMP) shelter and well. Shaft encoder and chart set to inside electric tape gage. DCP logger is primary record with DCP data and A-35 chart record used for back-up purposes.

REMARKS.--Record complete and reliable except for the following periods: November 15 - 30; December 1 - 31, 2005; and January 1 - 31; February 1 - 28; March 1 - 3, 9 - 15, 20 - 27, 2006 when the stage-discharge relationship was affected by ice in the well and or the river; and, May 19 - 23, 2006 when there was a problem with the intakes. Record fair, except for periods of ice effect, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HURREDCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

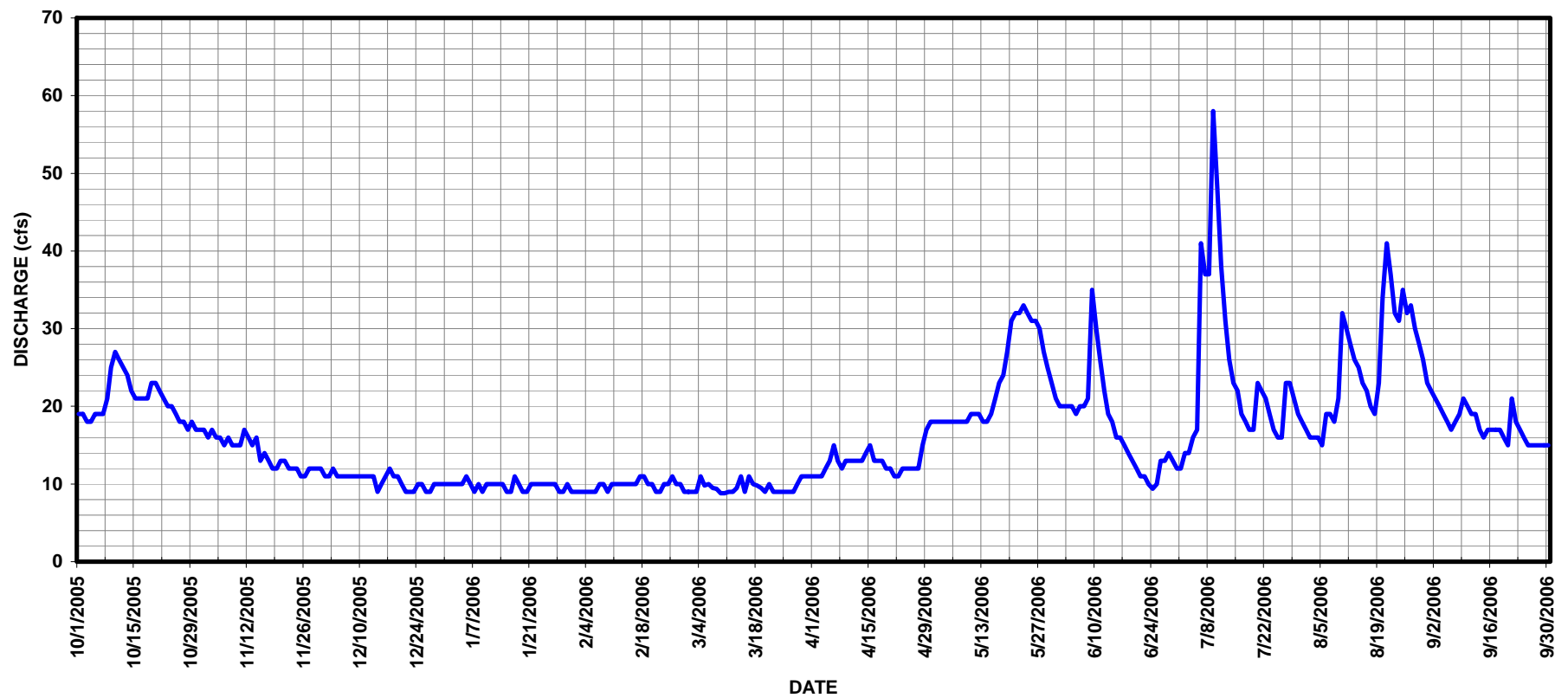
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	17	11	10	9.0	9.0	11	18	20	12	17	22
2	19	16	11	10	9.0	9.0	11	18	20	14	16	21
3	18	17	12	10	9.0	9.0	11	18	20	14	16	20
4	18	16	11	10	9.0	11	12	18	20	16	16	19
5	19	16	11	11	9.0	9.8	13	18	19	17	15	18
6	19	15	11	10	9.0	10	15	18	20	41	19	17
7	19	16	11	9.0	10	9.5	13	18	20	37	19	18
8	21	15	11	10	10	9.4	12	18	21	37	18	19
9	25	15	11	9.0	9.0	8.8	13	18	35	58	21	21
10	27	15	11	10	10	8.8	13	19	30	48	32	20
11	26	17	11	10	10	9.0	13	19	26	38	30	19
12	25	16	11	10	10	9.0	13	19	22	31	28	19
13	24	15	11	10	10	9.5	13	18	19	26	26	17
14	22	16	9.0	10	10	11	14	18	18	23	25	16
15	21	13	10	9.0	10	9.0	15	19	16	22	23	17
16	21	14	11	9.0	10	11	13	21	16	19	22	17
17	21	13	12	11	11	10	13	23	15	18	20	17
18	21	12	11	10	11	9.8	13	24	14	17	19	17
19	23	12	11	9.0	10	9.5	12	27	13	17	23	16
20	23	13	10	9.0	10	9.0	12	31	12	23	34	15
21	22	13	9.0	10	9.0	10	11	32	11	22	41	21
22	21	12	9.0	10	9.0	9.0	11	32	11	21	37	18
23	20	12	9.0	10	10	9.0	12	33	10	19	32	17
24	20	12	10	10	10	9.0	12	32	9.4	17	31	16
25	19	11	10	10	11	9.0	12	31	10	16	35	15
26	18	11	9.0	10	10	9.0	12	31	13	16	32	15
27	18	12	9.0	10	10	9.0	12	30	13	23	33	15
28	17	12	10	9.0	9.0	10	15	27	14	23	30	15
29	18	12	10	9.0	---	11	17	25	13	21	28	15
30	17	12	10	10	---	11	18	23	12	19	26	15
31	17	---	10	9.0	---	11	---	21	---	18	23	---
TOTAL	638	418	323.0	303.0	273.0	298.1	387	717	512.4	743	787	527
MEAN	20.6	13.9	10.4	9.77	9.75	9.62	12.9	23.1	17.1	24.0	25.4	17.6
AC-FT	1270	829	641	601	541	591	768	1420	1020	1470	1560	1050
MAX	27	17	12	11	11	11	18	33	35	58	41	22
MIN	17	11	9.0	9.0	9.0	8.8	11	18	9.4	12	15	15

CAL YR	2005	TOTAL	12424	MEAN	34.0	MAX	212	MIN	9.0	AC-FT	24640
WTR YR	2006	TOTAL	5926.5	MEAN	16.2	MAX	58	MIN	8.8	AC-FT	11760

MAX DISCH: 63.3 CFS AT 03:45 ON Jul. 9, 2006 GH 2.43 FT. SHIFT 0.33 FT. DATUM 0.00
MAX GH: 2.43 FT. AT 03:45 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07111000 HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

HUERFANO RIVER AT BADITO, CO

LOCATION.--Latitude 37° 43' 39", Longitude 105° 00' 50" (Farisita, Colorado quadrangle, 1:24000 scale) in the E½ SE¼ Sec.5, T27S, R68W, Huerfano County on left bank, 30 feet downstream of the crossing of CR 616 bridge and Huerfano River.

DRAINAGE AREA.--N/A.

GAGE.--Sutron SatLink 2 high data rate satellite-monitored data collection platform (DCP) and Sutron Accubar in a 4 ft x 6 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary gage is a concrete slope gage immediately below the orifice. Elevation of gage is approximately 6,460 ft above mean sea level from topographic map.

REMARKS.--Record is complete and reliable, except for the periods: November 6, 13, and 15, 2005, when cold weather caused a loose fitting to leak nitrogen; and, November 16 - 21, 27 - 30; December 1 - 31, 2005; January 1 - 29; February 10- 13, 17 - 21; and March 20 - 24, 2006, when ice in the river affected the stage-discharge relationship. Record good, except during periods of equipment malfunction and ice effect, which are considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--HUEBADCO02A USED FROM 01-OCT-2005 TO 30-SEP-06

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

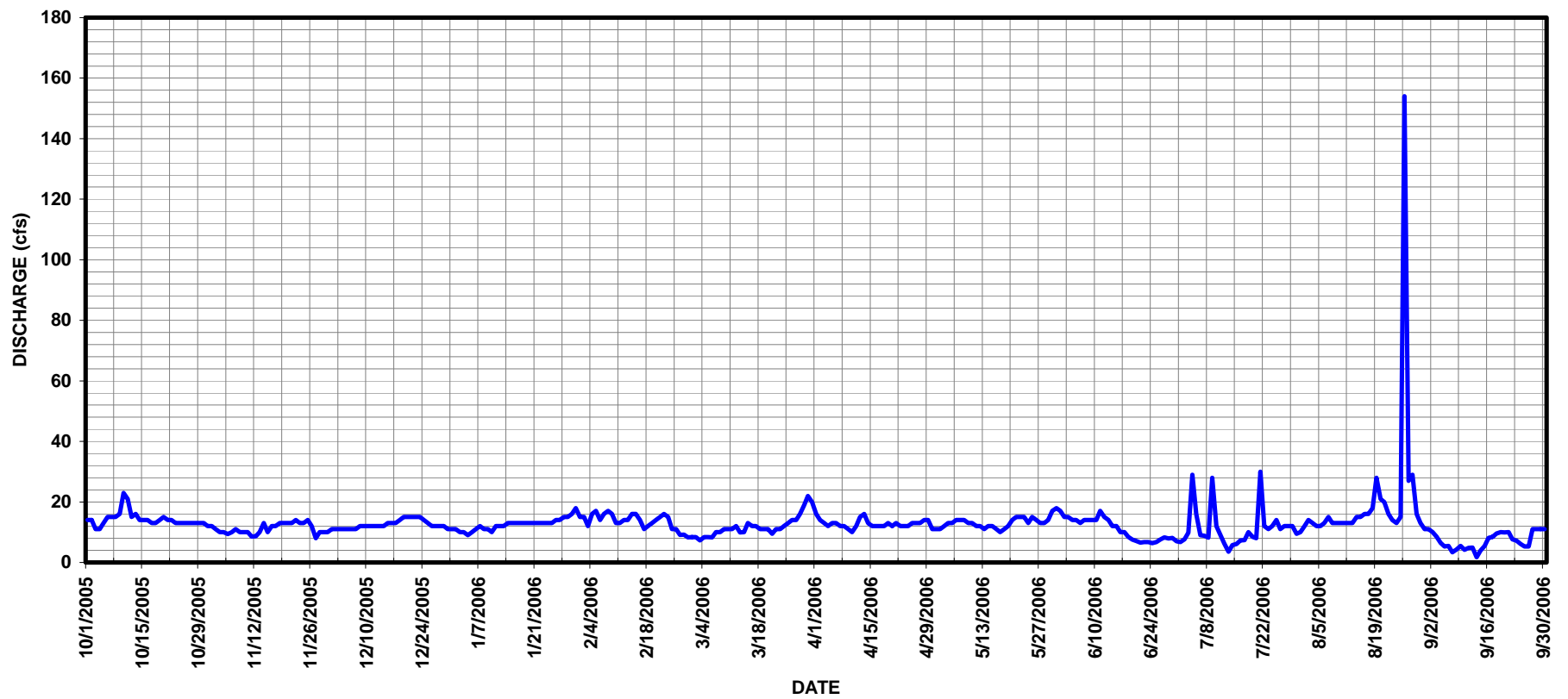
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	11	11	15	8.4	16	11	17	6.7	12	11
2	14	11	11	10	15	8.4	14	11	15	7.7	14	10
3	11	10	11	10	12	7.3	13	12	15	9.8	13	8.6
4	11	10	11	9.0	16	8.4	12	13	14	29	12	6.5
5	13	9.4	11	10	17	8.4	13	13	14	16	12	5.3
6	15	10	11	11	14	8.3	13	14	13	9.0	13	5.5
7	15	11	11	12	16	10	12	14	14	8.8	15	3.4
8	15	10	12	11	17	10	12	14	14	8.2	13	4.3
9	16	10	12	11	16	11	11	13	14	28	13	5.5
10	23	10	12	10	13	11	10	13	14	12	13	4.2
11	21	8.6	12	12	13	11	12	12	17	9.2	13	4.8
12	15	8.7	12	12	14	12	15	12	15	6.2	13	4.9
13	16	10	12	12	14	9.9	16	11	14	3.6	13	1.7
14	14	13	12	13	16	10	13	12	12	5.7	15	3.9
15	14	10	13	13	16	13	12	12	12	6.1	15	5.5
16	14	12	13	13	14	12	12	11	10	7.3	16	8.1
17	13	12	13	13	11	12	12	10	10	7.4	16	8.5
18	13	13	14	13	12	11	12	11	8.5	10	18	9.6
19	14	13	15	13	13	11	13	12	7.6	8.5	28	10
20	15	13	15	13	14	11	12	14	7.1	8.0	21	9.9
21	14	13	15	13	15	9.5	13	15	6.6	30	20	10
22	14	14	15	13	16	11	12	15	6.7	12	16	7.7
23	13	13	15	13	15	11	12	15	6.7	11	14	7.2
24	13	13	14	13	11	12	12	13	6.4	12	13	6.1
25	13	14	13	13	11	13	13	15	6.7	14	15	5.3
26	13	12	12	14	9.1	14	13	14	7.6	11	154	5.3
27	13	8.0	12	14	9.2	14	13	13	8.3	12	27	11
28	13	10	12	15	8.3	16	14	13	7.9	12	29	11
29	13	10	12	15	---	19	14	14	8.1	12	16	11
30	13	10	11	16	---	22	11	17	7.0	9.5	13	11
31	12	---	11	18	---	20	---	18	---	10	11	---
TOTAL	440	333.7	386	389.0	382.6	365.6	382	407	329.2	352.7	626	216.8
MEAN	14.2	11.1	12.5	12.5	13.7	11.8	12.7	13.1	11.0	11.4	20.2	7.23
AC-FT	873	662	766	772	759	725	758	807	653	700	1240	430
MAX	23	14	15	18	17	22	16	18	17	30	154	11
MIN	11	8.0	11	9.0	8.3	7.3	10	10	6.4	3.6	11	1.7

CAL YR	2005	TOTAL	8689.2	MEAN	36.2	MAX	526	MIN	4.8	AC-FT	17253
WTR YR	2006	TOTAL	4610.6	MEAN	12.6	MAX	154	MIN	1.7	AC-FT	9150

MAX DISCH: 1470 CFS AT 19:15 ON Aug. 26, 2006 GH 4.31 FT. SHIFT -0.53 FT.
MAX GH: 4.76 FT. AT 15:45 ON Jul. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

HUERFANO RIVER AT BADITO CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07114000 CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA, CO

LOCATION.--Lat 37°25'12", long 105°03'08", in SE¼NE¼SE¼ sec. 24, T.30 S., R.69 W., Huerfano County, on left bank at Boyd Ranch, 29 ft. downstream from private bridge, 1.4 mi downstream from Chaparral Creek, and 6.5 mi southwest of La Veta.

DRAINAGE AREA.--56 mi².

GAGE.--Sutron model 8210 satellite-monitored data collection platform (DCP) with a High Data Rate (HDR) radio transmitter, with shaft encoder and graphic water-stage recorder in a 42-inch diameter corrugated metal pipe (CMP) shelter over 48-inch corrugated pipe well. Shaft encoder and chart are set using a drop-tape from a reference mark on the front of the equipment shelf. DCP log is primary record with graphic chart record and satellite data used for back-up purposes. A temperature sensor was installed November 5, 2002 and was started in use on November 27, 2002. Supplemental outside staff gage is not currently used.

REMARKS.--Record is complete and reliable except for the following periods: November 15 - 27, 2005; March 1 - 16, 20 - 27, 2006 when the stage-discharge relationship was affected by ice in the well and river channel; and, November 28 - 30; December 1 -31, 2005; January 1 - 31, February 1 - 28, 2006 when the well was frozen. Record considered good, except during periods of ice effect, which is poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRBRLVCO14 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

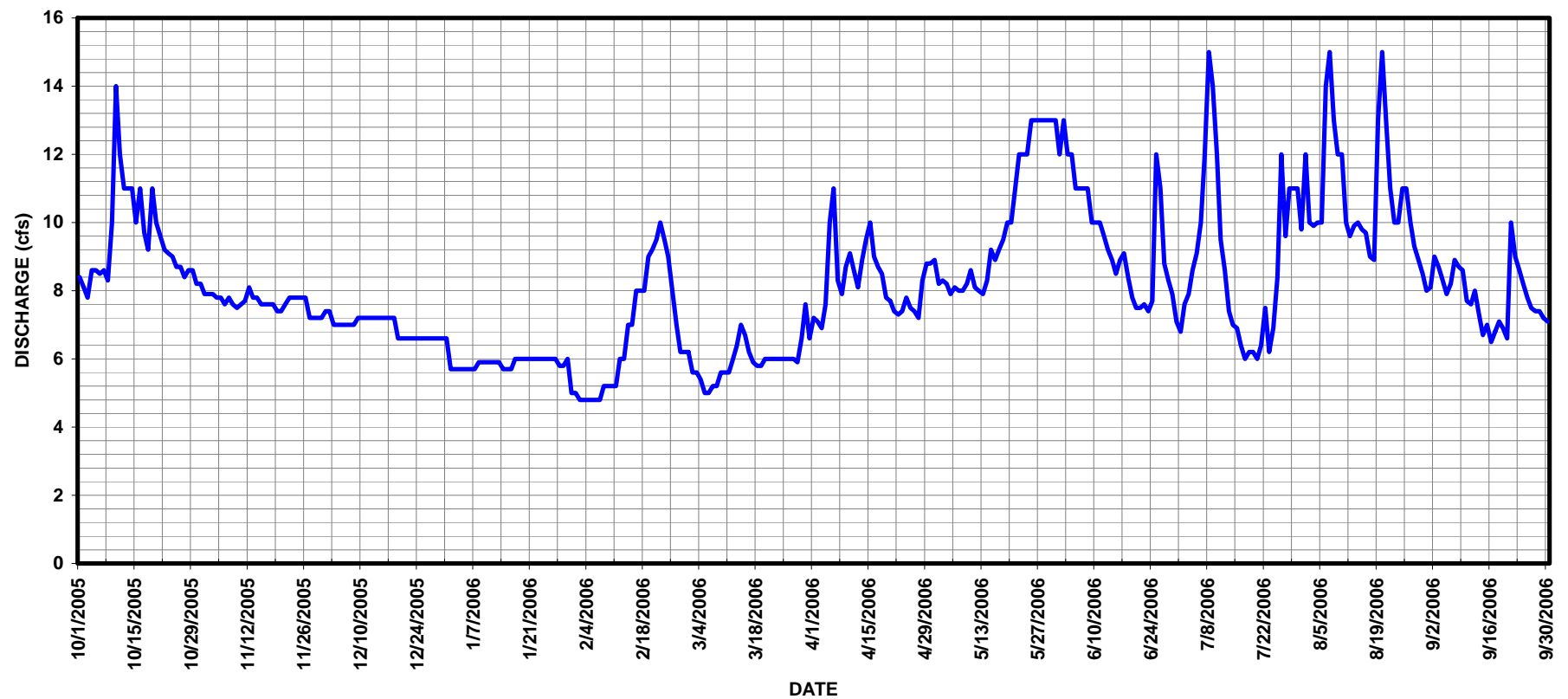
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	7.9	7.4	5.7	5.0	6.2	7.2	8.9	12	6.8	12	8.1
2	8.1	7.9	7.4	5.7	4.8	5.6	7.1	8.2	13	7.6	10	9.0
3	7.8	7.9	7.0	5.7	4.8	5.6	6.9	8.3	12	7.9	9.9	8.7
4	8.6	7.8	7.0	5.7	4.8	5.4	7.6	8.2	12	8.6	10	8.3
5	8.6	7.8	7.0	5.7	4.8	5.0	10	7.9	11	9.1	10	7.9
6	8.5	7.6	7.0	5.7	4.8	5.0	11	8.1	11	10	14	8.2
7	8.6	7.8	7.0	5.7	4.8	5.2	8.3	8.0	11	12	15	8.9
8	8.3	7.6	7.0	5.9	5.2	5.2	7.9	8.0	11	15	13	8.7
9	10	7.5	7.2	5.9	5.2	5.6	8.7	8.2	10	14	12	8.6
10	14	7.6	7.2	5.9	5.2	5.6	9.1	8.6	10	12	12	7.7
11	12	7.7	7.2	5.9	5.2	5.6	8.6	8.1	10	9.5	10	7.6
12	11	8.1	7.2	5.9	6.0	6.0	8.1	8.0	9.6	8.6	9.6	8.0
13	11	7.8	7.2	5.9	6.0	6.4	8.9	7.9	9.2	7.4	9.9	7.3
14	11	7.8	7.2	5.7	7.0	7.0	9.5	8.3	8.9	7.0	10	6.7
15	10	7.6	7.2	5.7	7.0	6.7	10	9.2	8.5	6.9	9.8	7.0
16	11	7.6	7.2	5.7	8.0	6.2	9.0	8.9	8.9	6.4	9.7	6.5
17	9.7	7.6	7.2	6.0	8.0	5.9	8.7	9.2	9.1	6.0	9.0	6.8
18	9.2	7.6	7.2	6.0	8.0	5.8	8.5	9.5	8.4	6.2	8.9	7.1
19	11	7.4	6.6	6.0	9.0	5.8	7.8	10	7.8	6.2	13	6.9
20	10	7.4	6.6	6.0	9.2	6.0	7.7	10	7.5	6.0	15	6.6
21	9.6	7.6	6.6	6.0	9.5	6.0	7.4	11	7.5	6.4	13	10
22	9.2	7.8	6.6	6.0	10	6.0	7.3	12	7.6	7.5	11	9.0
23	9.1	7.8	6.6	6.0	9.5	6.0	7.4	12	7.4	6.2	10	8.6
24	9.0	7.8	6.6	6.0	9.0	6.0	7.8	12	7.7	6.9	10	8.2
25	8.7	7.8	6.6	6.0	8.0	6.0	7.5	13	12	8.4	11	7.8
26	8.7	7.8	6.6	6.0	7.0	6.0	7.4	13	11	12	11	7.5
27	8.4	7.2	6.6	6.0	6.2	6.0	7.2	13	8.8	9.6	10	7.4
28	8.6	7.2	6.6	5.8	6.2	5.9	8.3	13	8.3	11	9.3	7.4
29	8.6	7.2	6.6	5.8	---	6.6	8.8	13	7.9	11	8.9	7.2
30	8.2	7.2	6.6	6.0	---	7.6	8.8	13	7.1	11	8.5	7.1
31	8.2	---	6.6	5.0	---	6.6	---	13	---	9.8	8.0	---
TOTAL	293.1	229.4	214.6	181.0	188.2	184.5	248.5	309.5	286.2	273.0	333.5	234.8
MEAN	9.45	7.65	6.92	5.84	6.72	5.95	8.28	9.98	9.54	8.81	10.8	7.83
AC-FT	581	455	426	359	373	366	493	614	568	541	661	466
MAX	14	8.1	7.4	6.0	10	7.6	11	13	13	15	15	10
MIN	7.8	7.2	6.6	5.0	4.8	5.0	6.9	7.9	7.1	6.0	8.0	6.5

CAL YR	2005	TOTAL	11920.9	MEAN	32.7	MAX	242	MIN	5.0	AC-FT	23640
WTR YR	2006	TOTAL	2976.3	MEAN	8.15	MAX	15	MIN	4.8	AC-FT	5900

MAX DISCH: 28 CFS AT 10:00 ON Feb. 23, 2006 GH 1 FT. SHIFT 0 FT.
MAX GH: 1.09 FT. AT 19:15 ON Jun. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07114000 CUCARAS RIVER AT BOYD RANCH NEAR LA VETA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA, CO

LOCATION.--Lat 37° 33' 02", Long 104° 56' 11", in the NE¼ SW¼ Sec.6, T29S, R67W Huerfano County, on right bank at the Valley Road Harrison Bridge crossing of Cucharas River approximately ¾ mile south of the intersection of Valley Road and Highway 160.

DRAINAGE AREA.--N/A.

GAGE.--Sutron 8210 data collection platform (DCP) and shaft encoder. The shaft encoder is housed inside of a 20" x 30" metal shelter atop an 18-inch stilling well attached to the center bridge pier. DCP is in a 4 ft x 4 ft steel shelter approximately 150 feet south of the right bank. Primary reference gage is a drop tape from a reference mark on the bridge guardrail 20 feet to the right of the stilling well. The DCP was upgraded to a high data rate radio transmitter on March 20, 2005. DCP log is primary record with satellite data used for back-up purposes. Elevation of gage is 6654 ft MSL from topographic map.

REMARKS.--Record is complete and reliable except for the following periods: November 16 - 30; December 1 - 6, 11 - 14, 21 - 26, 30, 31, 2005; January 1 - 30; February 3 - 16, 20 - 28; March 21 - 26, 2006, when the stage-discharge relationship was affected by ice in river channel; and, December 7 - 10, 15 - 20, 2005; February 17 - 19, 2006 when floats were frozen in the well. Record fair, except during periods of ice effect and no gage height, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--CRHBLVCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

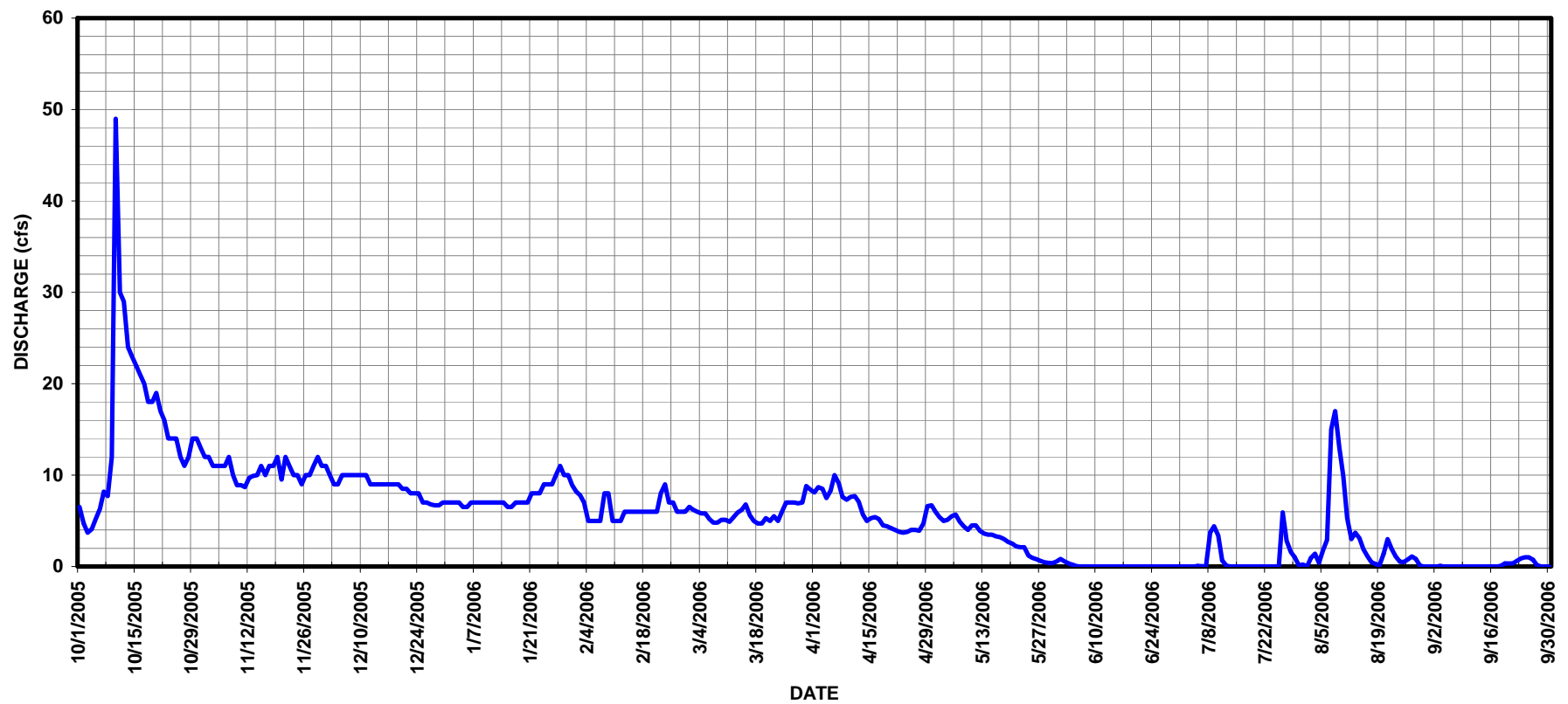
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	12	11	7.0	8.2	6.5	8.1	6.0	.83	0	0	0
2	4.7	12	10	7.0	7.8	6.2	8.7	5.4	.54	0	.93	0
3	3.7	11	9.0	7.0	7.0	6.0	8.5	5.0	.33	0	1.4	.07
4	4.1	11	9.0	6.5	5.0	5.8	7.5	5.1	.17	.01	.39	0
5	5.2	11	10	6.5	5.0	5.8	8.3	5.5	.03	.07	1.8	0
6	6.3	11	10	7.0	5.0	5.2	10	5.7	0	.02	2.9	0
7	8.2	12	10	7.0	5.0	4.8	9.1	4.9	0	.01	15	0
8	7.7	10	10	7.0	8.0	4.8	7.6	4.4	0	3.7	17	0
9	12	8.9	10	7.0	8.0	5.1	7.3	4.0	0	4.4	13	0
10	49	8.9	10	7.0	5.0	5.1	7.6	4.5	0	3.4	9.9	0
11	30	8.7	10	7.0	5.0	4.9	7.7	4.5	0	.66	5.3	0
12	29	9.7	9.0	7.0	5.0	5.4	7.1	3.9	0	.09	3.0	0
13	24	9.9	9.0	7.0	6.0	5.9	5.7	3.6	0	.01	3.7	0
14	23	10	9.0	7.0	6.0	6.2	5.0	3.5	0	0	3.1	0
15	22	11	9.0	6.5	6.0	6.8	5.3	3.5	0	0	1.9	0
16	21	10	9.0	6.5	6.0	5.6	5.4	3.3	0	0	1.1	0
17	20	11	9.0	7.0	6.0	5.0	5.2	3.2	0	0	.47	0
18	18	11	9.0	7.0	6.0	4.7	4.5	3.0	0	0	.28	.05
19	18	12	9.0	7.0	6.0	4.7	4.4	2.7	0	0	.12	.33
20	19	9.5	8.5	7.0	6.0	5.3	4.2	2.5	0	0	1.4	.34
21	17	12	8.5	8.0	6.0	5.0	4.0	2.2	0	0	3.0	.35
22	16	11	8.0	8.0	8.0	5.5	3.8	2.1	0	0	1.9	.61
23	14	10	8.0	8.0	9.0	5.0	3.7	2.1	0	0	1.1	.88
24	14	10	8.0	9.0	7.0	6.0	3.8	1.2	0	0	.51	1.0
25	14	9.0	7.0	9.0	7.0	7.0	4.0	.96	0	0	.49	1.0
26	12	10	7.0	9.0	6.0	7.0	4.0	.79	0	5.9	.76	.73
27	11	10	6.8	10	6.0	7.0	3.9	.61	0	2.8	1.1	.14
28	12	11	6.7	11	6.0	6.9	4.7	.45	0	1.6	.83	0
29	14	12	6.7	10	---	7.0	6.6	.40	0	1.0	.10	0
30	14	11	7.0	10	---	8.8	6.7	.38	0	.12	0	0
31	13	---	7.0	8.9	---	8.4	---	.55	---	.22	0	---
TOTAL	482.4	316.6	270.2	238.9	177.0	183.4	182.4	95.94	1.90	24.01	92.48	5.50
MEAN	15.6	10.6	8.72	7.71	6.32	5.92	6.08	3.09	.063	.77	2.98	.18
AC-FT	957	628	536	474	351	364	362	190	3.8	48	183	11
MAX	49	12	11	11	9.0	8.8	10	6.0	.83	5.9	17	1.0
MIN	3.7	8.7	6.7	6.5	5.0	4.7	3.7	.38	0	0	0	0

CAL YR 2005 TOTAL 20283.2 MEAN 55.6 MAX 454 MIN 2 AC-FT 40230
WTR YR 2006 TOTAL 2070.73 MEAN 5.67 MAX 49 MIN 0 AC-FT 4110

MAX DISCH: 84.8 CFS AT 02:30 ON Oct. 10, 2005 GH 2.55 FT. SHIFT -0.07 FT. DATUM 0.00
MAX GH: 2.55 FT. AT 02:30 ON Oct. 10, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

OXFORD FARMERS DITCH NEAR NEPESTA, CO

LOCATION.--Lat 38° 10' 34", Long 104° 8' 42", in the NE¼ NW¼ SW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, approximately 0.33 mi upstream from Arkansas River at Nepesta Rd. Bridge river gage.

DRAINAGE AREA.--N/A.

GAGE.--Sutron SatLink DCP/logger with High Data Rate radio, which monitors a shaft encoder in a stilling well inside a wood frame shelter. A float-activated A-35 graphic water-stage recorder is also in the stilling well. Primary record is the DCP log data with satellite-monitored data with the graphic chart recorder used for backup purposes. Twelve-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable. Record is considered good. Record developed by A.D. Gutierrez.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

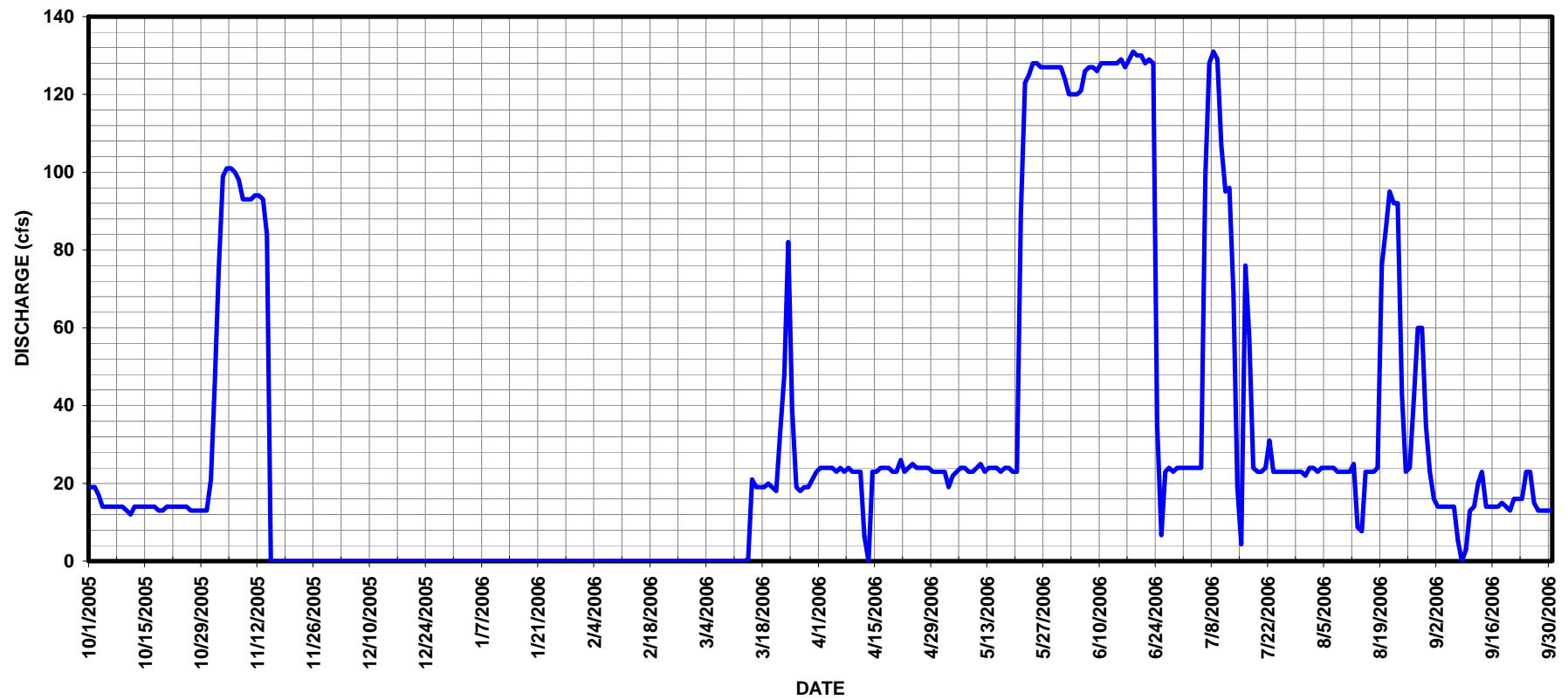
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	46	0	0	0	0	24	23	124	24	24	16
2	19	75	0	0	0	0	24	23	120	24	24	14
3	17	99	0	0	0	0	24	19	120	24	23	14
4	14	101	0	0	0	0	24	22	120	24	24	14
5	14	101	0	0	0	0	23	23	121	24	24	14
6	14	100	0	0	0	0	24	24	126	99	24	14
7	14	98	0	0	0	0	23	24	127	128	24	5.3
8	14	93	0	0	0	0	24	23	127	131	23	0
9	14	93	0	0	0	0	23	23	126	129	23	3.0
10	13	93	0	0	0	0	23	24	128	107	23	13
11	12	94	0	0	0	0	23	25	128	95	23	14
12	14	94	0	0	0	0	6.4	23	128	96	25	20
13	14	93	0	0	0	0	0	24	128	69	8.7	23
14	14	84	0	0	0	.50	23	24	128	19	7.7	14
15	14	0	0	0	0	21	23	24	129	4.3	23	14
16	14	0	0	0	0	19	24	23	127	76	23	14
17	14	0	0	0	0	19	24	24	129	57	23	14
18	13	0	0	0	0	19	24	24	131	24	24	15
19	13	0	0	0	0	20	23	23	130	23	76	14
20	14	0	0	0	0	19	23	23	130	23	85	13
21	14	0	0	0	0	18	26	89	128	24	95	16
22	14	0	0	0	0	33	23	123	129	31	92	16
23	14	0	0	0	0	48	24	125	128	23	92	16
24	14	0	0	0	0	82	25	128	35	23	43	23
25	14	0	0	0	0	39	24	128	6.7	23	23	23
26	13	0	0	0	0	19	24	127	23	23	24	15
27	13	0	0	0	0	18	24	127	24	23	42	13
28	13	0	0	0	0	19	24	127	23	23	60	13
29	13	0	0	0	---	19	23	127	24	23	60	13
30	13	0	0	0	---	21	23	127	24	23	35	13
31	21	---	0	0	---	23	---	127	---	22	23	---
TOTAL	444	1264	0	0	0	456.50	669.4	1820	3071.7	1461.3	1143.4	423.3
MEAN	14.3	42.1	0	0	0	14.7	22.3	58.7	102	47.1	36.9	14.1
AC-FT	881	2510	0	0	0	905	1330	3610	6090	2900	2270	840
MAX	21	101	0	0	0	82	26	128	131	131	95	23
MIN	12	0	0	0	0	0	0	19	6.7	4.3	7.7	0

CAL YR	2005	TOTAL	15032.2	MEAN	41.2	MAX	131	MIN	0	AC-FT	29820
WTR YR	2006	TOTAL	10753.6	MEAN	29.5	MAX	131	MIN	0	AC-FT	21330

MAX DISCH: 165 CFS AT 09:00 ON Jul. 9, 2006 GH 2.2 FT. SHIFT 0 FT.
MAX GH: 2.2 FT. AT 09:00 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

OXFORD FARMERS DITCH NEAR NEPESTA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (RIVER ONLY)

LOCATION.--Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

DRAINAGE AREA.--9,345 mi².

GAGE.--Sutron 8210 High Data Rate satellite-monitored data collection platform (DCP) with data logger and Sutron Accubar with constant nitrogen bubbling using a site feed assembly in a 4 ft x 4 ft steel shelter. The primary record is the DCP log data with satellite data used for backup. The primary gage is a wire weight gage attached to the bridge approximately 120 ft south of the shelter. Elevation of gage is 4,355 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable, except for the periods: December 7 - 23, 2005; January 9, 10, 19 - 23; February 17 - 22; March 13 - 16, 20 - 22, 2006 when ice affected the stage-discharge relationship. Record is considered good during period of good data collection and considered poor during periods of ice. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--ARKNEPC015 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

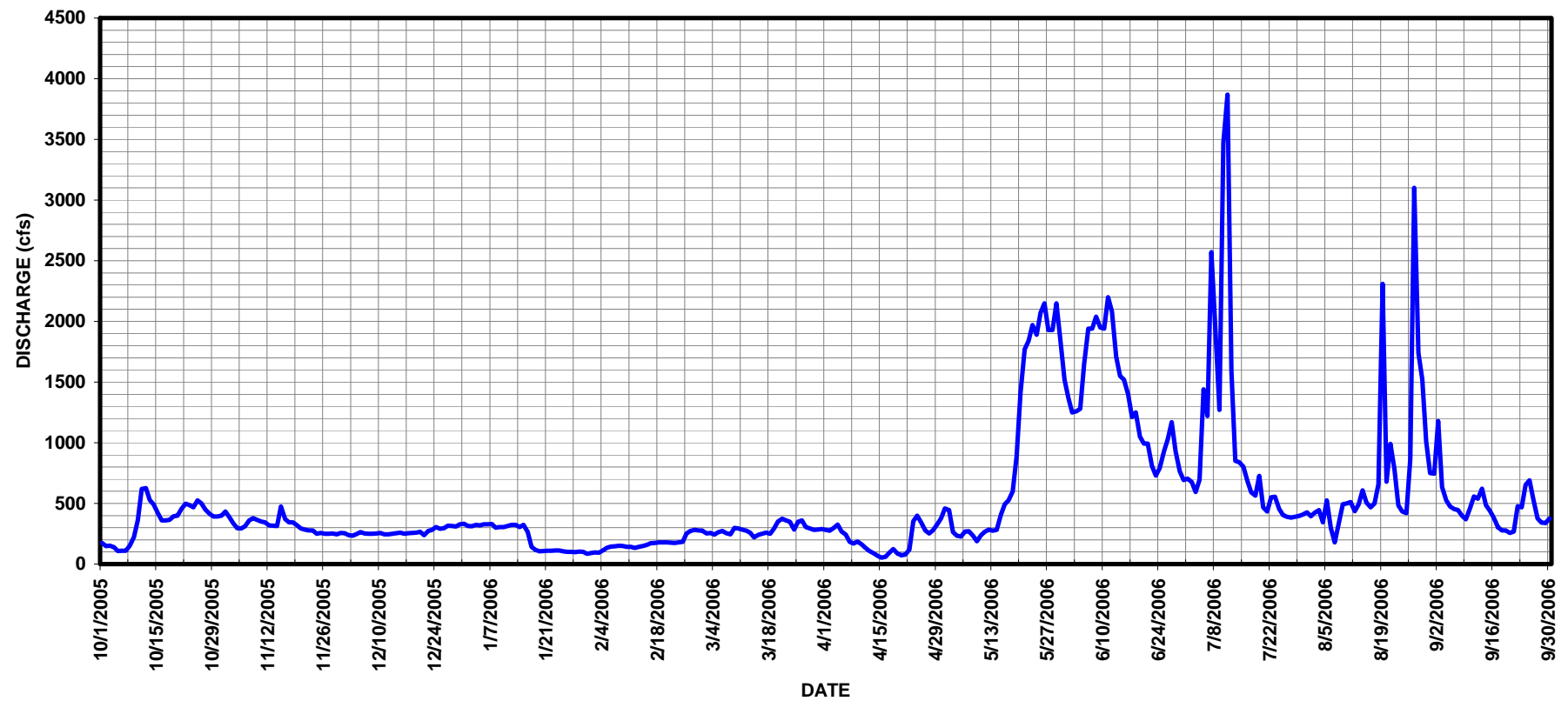
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	433	254	314	91	276	281	458	1370	703	395	745
2	150	387	239	311	96	253	276	446	1250	677	425	1180
3	152	338	234	323	94	256	299	264	1260	595	446	636
4	140	295	248	319	115	244	326	235	1280	696	345	526
5	107	293	264	328	135	264	269	226	1650	1440	525	474
6	110	313	253	329	144	273	244	269	1940	1220	298	454
7	110	361	250	331	146	254	184	271	1940	2570	178	445
8	151	378	250	301	151	246	169	235	2040	1910	331	399
9	223	364	252	305	148	299	185	187	1950	1270	494	369
10	362	352	256	305	143	293	163	236	1940	3470	500	462
11	620	344	245	314	143	284	134	266	2200	3870	511	558
12	627	318	245	323	134	276	107	285	2080	1590	436	540
13	527	316	250	323	143	260	89	276	1710	851	493	622
14	490	314	255	306	149	220	68	281	1550	840	607	486
15	420	475	260	323	158	240	53	407	1520	803	508	440
16	359	372	250	267	172	250	59	493	1400	687	467	382
17	360	344	255	143	175	260	93	525	1210	592	499	306
18	364	345	258	117	178	250	124	599	1250	564	658	277
19	394	322	260	106	180	294	87	888	1050	727	2310	277
20	398	293	265	107	178	350	74	1410	993	467	679	258
21	453	284	238	109	177	375	77	1770	992	434	990	269
22	497	277	272	110	175	360	119	1840	810	551	781	477
23	486	278	282	113	180	349	353	1970	729	556	483	469
24	469	250	305	113	184	284	399	1890	791	455	434	653
25	526	256	291	106	252	348	344	2070	926	403	420	691
26	500	251	296	101	274	359	278	2150	1030	390	871	521
27	450	250	316	100	281	305	252	1930	1170	384	3100	376
28	415	252	315	98	277	294	279	1930	928	391	1740	342
29	393	245	309	103	---	281	328	2150	763	397	1520	340
30	393	257	328	100	---	285	379	1850	692	408	1010	376
31	400	---	333	85	---	288	---	1520	---	427	751	---
TOTAL	11221	9557	8328	6633	4673	8870	6092	29327	40414	30338	23205	14350
MEAN	362	319	269	214	167	286	203	946	1347	979	749	478
AC-FT	22260	18960	16520	13160	9270	17590	12080	58170	80160	60180	46030	28460
MAX	627	475	333	331	281	375	399	2150	2200	3870	3100	1180
MIN	107	245	234	85	91	220	53	187	692	384	178	258

CAL YR	2005	TOTAL	175200	MEAN	480	MAX	2030	MIN	36	AC-FT	347500
WTR YR	2006	TOTAL	193008	MEAN	529	MAX	3870	MIN	53	AC-FT	382800

MAX DISCH: 5530 CFS AT 22:15 ON Aug. 26, 2006 GH 15.52 FT. SHIFT -1.25 FT.
MAX GH: 15.52 FT. AT 22:15 ON Aug. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA CO (RIVER ONLY)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO (COMBINED)

LOCATION.--Lat 38° 10' 44", Long 104° 8' 20", in the NE¼ SE¼ NW¼ Sec.32, T21S, R60W Pueblo County, Hydrologic Unit 11020005, on the left bank downstream side of the Nepesta Road Bridge crossing the Arkansas River, 0.8 mi downstream of Kramer Creek, 9 mi downstream from Huerfano River, 1 mile NNW of the Nepesta Cemetery.

DRAINAGE AREA.--9,345 mi².

REMARKS.--The combined record of mean daily discharge was obtained by the addition of Oxford Farmers Ditch mean daily flows to the corresponding mean daily flows in the Arkansas River at Nepesta Road Bridge. The peak discharge for the year was 5610 cfs at 22:15 August 26, 2006. Combined record is fair, except during periods of estimated flow, which should be considered poor. The Arkansas River near Nepesta CO gaging station was moved from above the Oxford Farmers Ditch diversion to the Nepesta Road bridge below the diversion beginning October 1, 2000. For consistency and comparison with previously published historical record in this reach of the Arkansas River, the total Arkansas River flow is computed by combining the Oxford Ditch mean daily discharge with the mean daily discharge measured at Arkansas River at Nepesta Road Bridge near Nepesta CO gaging station. Record developed by Div. II Hydrographic Staff.

ARKANSAS RIVER AT NEPESTA BRIDGE AND OXFORD FARMERS DITCH (COMBINED)

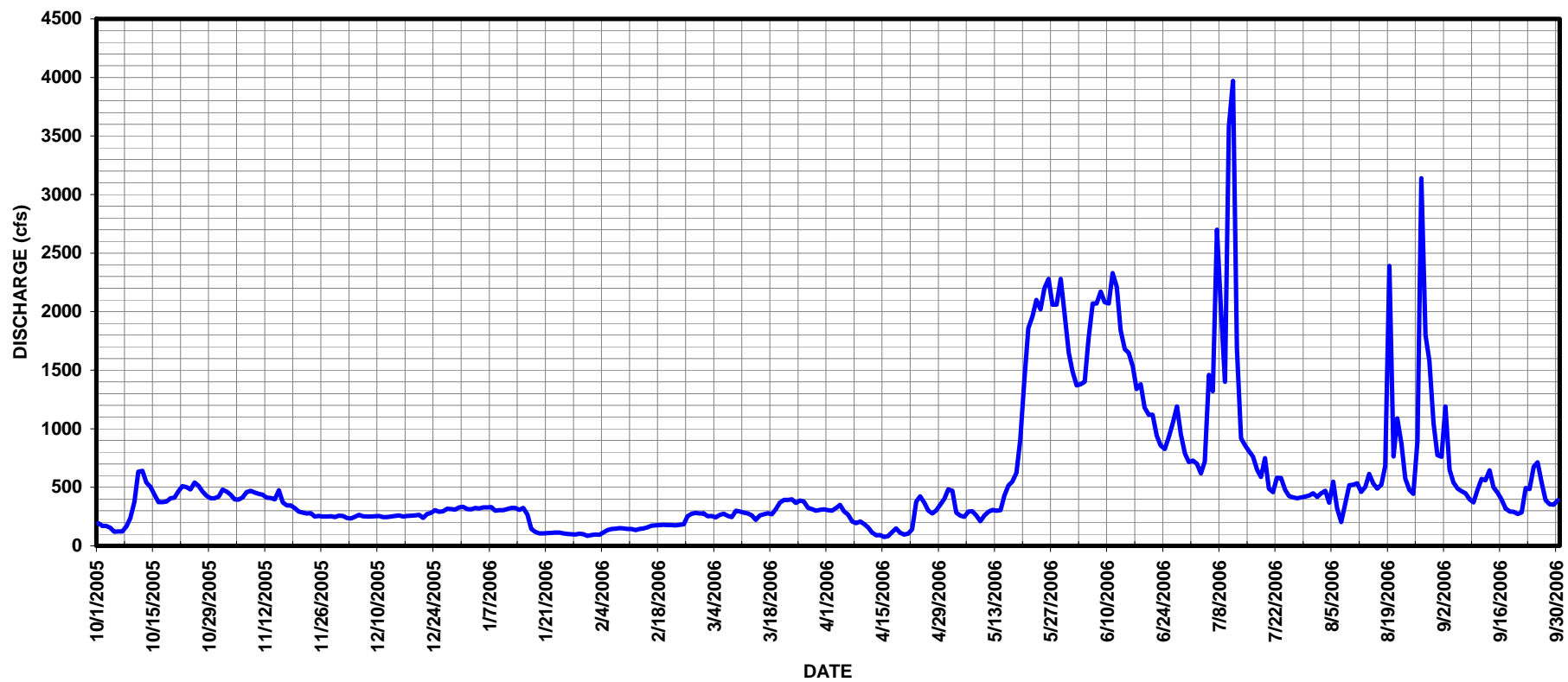
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	479	254	314	91	276	305	481	1490	727	419	761
2	169	462	239	311	96	253	300	469	1370	701	449	1190
3	169	437	234	323	94	256	323	283	1380	619	469	650
4	154	396	248	319	115	244	350	257	1400	720	369	540
5	121	394	264	328	135	264	292	249	1770	1460	549	488
6	124	413	253	329	144	273	268	293	2070	1320	322	468
7	124	459	250	331	146	254	207	295	2070	2700	202	450
8	165	471	250	301	151	246	193	258	2170	2040	354	399
9	237	457	252	305	148	299	208	210	2080	1400	517	372
10	375	445	256	305	143	293	186	260	2070	3580	523	475
11	632	438	245	314	143	284	157	291	2330	3970	534	572
12	641	412	245	323	134	276	113	308	2210	1690	461	560
13	541	409	250	323	143	260	89	300	1840	920	502	645
14	504	398	255	306	149	221	91	305	1680	859	615	500
15	434	475	260	323	158	261	76	431	1650	807	531	454
16	373	372	250	267	172	269	83	516	1530	763	490	396
17	374	344	255	143	175	279	117	549	1340	649	522	320
18	377	345	258	117	178	269	148	623	1380	588	682	292
19	407	322	260	106	180	314	110	911	1180	750	2390	291
20	412	293	265	107	178	369	97	1430	1120	490	764	271
21	467	284	238	109	177	393	103	1860	1120	458	1090	285
22	511	277	272	110	175	393	142	1960	939	582	873	493
23	500	278	282	113	180	397	377	2100	857	579	575	485
24	483	250	305	113	184	366	424	2020	826	478	477	676
25	540	256	291	106	252	387	368	2200	933	426	443	714
26	513	251	296	101	274	378	302	2280	1050	413	895	536
27	463	250	316	100	281	323	276	2060	1190	407	3140	389
28	428	252	315	98	277	313	303	2060	951	414	1800	355
29	406	245	309	103	---	300	351	2280	787	420	1580	353
30	406	257	328	100	---	306	402	1980	716	431	1050	389
31	421	---	333	85	---	311	---	1650	---	449	774	---
TOTAL	11665	10821	8328	6633	4673	9327	6761	31169	43499	31810	24361	14769
MEAN	376	361	269	214	167	301	225	1005	1450	1026	786	492
AC-FT	23140	21460	16520	13160	9270	18500	13410	61820	86280	63100	48320	29290
MAX	641	479	333	331	281	397	424	2280	2330	3970	3140	1190
MIN	121	245	234	85	91	221	76	210	716	407	202	271
CAL YR	2005	TOTAL	190272	MEAN	521	MAX	2140	MIN	36	AC-FT	377400	
WTR YR	2006	TOTAL	203816	MEAN	558	MAX	3970	MIN	76	AC-FT	404300	

MAX DISCH.: 5610 CFS AT 22:15 ON AUG. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07117000 ARKANSAS RIVER AT NEPESTA ROAD BRIDGE AND OXFORD FARMERS DITCH NEAR NEPESTA
CO (COMBINED)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at Catlin Canal gage, on right bank 2.2 mi downstream from diversion dam for Catlin Canal, 2.3 mi downstream from Apishapa River, and 6.0 mi east of Fowler.

DRAINAGE AREA AND PERIOD OF RECORD.--10,901 mi². October 1964 to current year.

GAGE.--Satellite-monitored data collection platform (Sutron Model 8210 HDR DCP), and Accubar in 8 ft by 8 ft shelter. Primary record is DCP data log. Satellite-monitored data used for backup purposes. Outside staff gage is primary reference gage. Cableway approximately 1 mile upstream. Catlin Canal flume gage height and USGS water quality monitor also monitored by this DCP.

REMARKS.--Record is complete and reliable, except for the following periods: Dec 6-24, 2005; Jan 21-25, Feb 9-13, and Feb 17-23, 2006 due to ice affecting the stage-discharge relationship. Record good, except for periods of ice effect, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKCATC011 USED FROM 01-OCT-2005 TO 30-SEP-2006

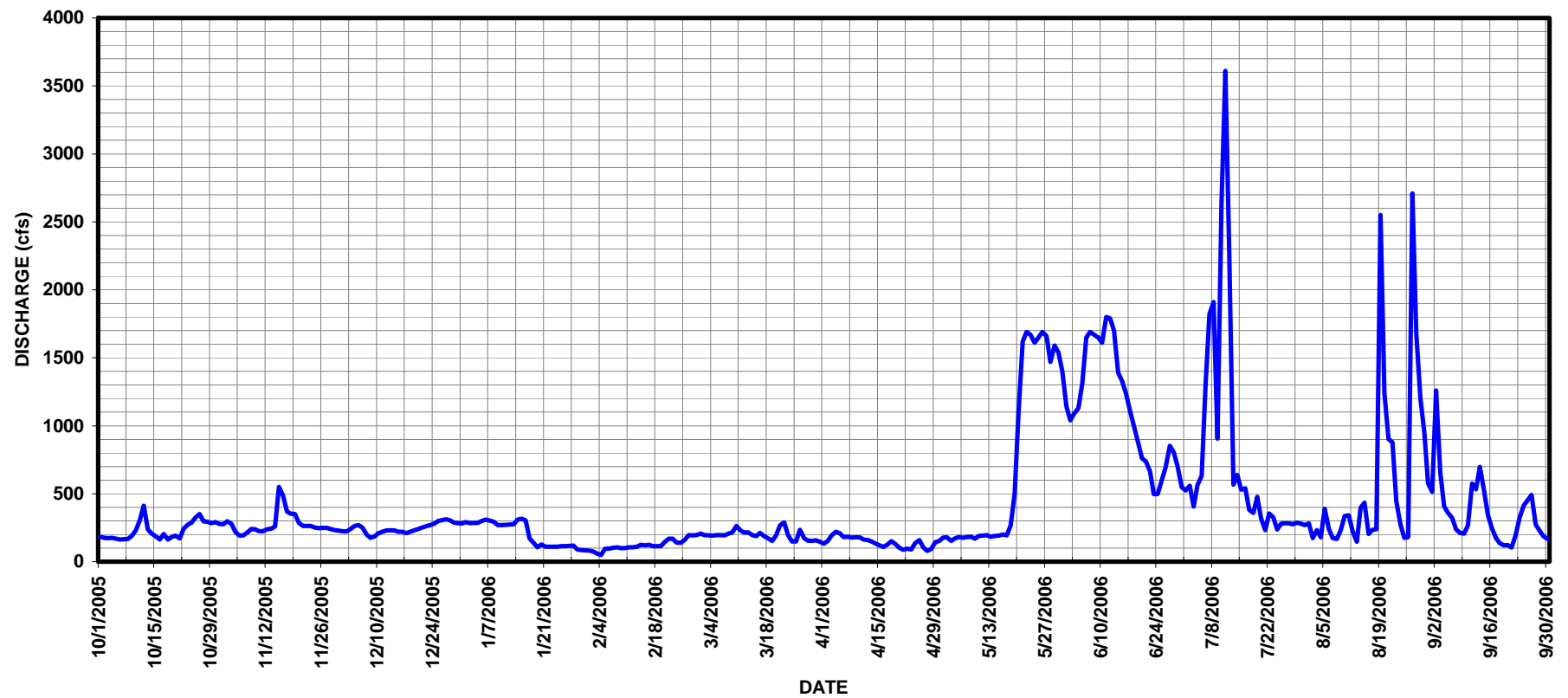
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	275	224	291	81	205	133	178	1140	524	282	514
2	176	298	222	284	76	195	152	180	1040	559	174	1260
3	173	280	241	286	60	193	194	153	1090	405	232	661
4	175	220	262	286	49	192	220	172	1130	564	179	408
5	169	192	270	299	95	196	211	182	1310	632	390	358
6	164	193	250	309	95	195	182	175	1650	1300	240	323
7	165	214	200	301	101	193	183	181	1690	1820	173	239
8	167	241	175	294	105	206	178	184	1670	1910	168	212
9	189	238	185	270	100	217	180	170	1650	905	232	205
10	233	225	210	270	100	262	179	189	1610	2630	336	268
11	306	225	220	272	105	231	163	192	1800	3610	341	574
12	411	238	230	274	105	215	159	195	1790	2270	223	532
13	236	242	230	276	110	217	148	184	1700	566	147	697
14	206	258	230	309	125	195	134	189	1390	638	395	524
15	185	551	220	317	120	188	120	191	1330	531	434	344
16	164	485	220	304	124	212	108	200	1240	541	203	248
17	204	368	210	172	115	187	126	193	1110	382	234	176
18	164	352	220	139	115	171	150	267	996	359	239	136
19	181	351	230	106	115	152	131	501	876	478	2550	121
20	191	285	240	126	145	193	102	1100	760	319	1240	123
21	172	262	250	110	170	267	87	1620	738	233	902	104
22	243	263	260	110	170	289	96	1690	665	354	879	198
23	272	262	270	110	140	195	90	1670	497	327	445	325
24	288	251	280	110	139	148	137	1610	497	237	274	413
25	325	246	299	115	159	149	160	1650	600	279	176	452
26	350	248	306	115	195	235	105	1690	696	284	182	492
27	297	248	311	117	193	173	79	1660	853	282	2710	274
28	294	240	304	118	195	155	93	1470	805	275	1680	228
29	284	232	288	89	---	153	142	1590	701	287	1200	188
30	291	229	284	85	---	157	153	1540	549	279	952	168
31	278	---	281	84	---	146	---	1400	---	270	576	---
TOTAL	7137	8212	7622	6348	3402	6082	4295	22566	33573	24050	18388	10765
MEAN	230	274	246	205	122	196	143	728	1119	776	593	359
AC-FT	14160	16290	15120	12590	6750	12060	8520	44760	66590	47700	36470	21350
MAX	411	551	311	317	195	289	220	1690	1800	3610	2710	1260
MIN	164	192	175	84	49	146	79	153	497	233	147	104
CAL YR 2005	TOTAL	174819	MEAN	479	MAX	2300	MIN	15	AC-FT	346700		
WTR YR 2006	TOTAL	152440	MEAN	418	MAX	3610	MIN	49	AC-FT	302400		

MAX DISCH: 3900 CFS AT 08:45 ON Jul. 11, 2006 GH 6.15 FT. SHIFT -0.17 FT.
MAX GH: 6.15 FT. AT 08:45 ON Jul. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07119705 CATLIN CANAL NEAR FOWLER, CO

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County, Hydrologic Unit 11020005, at river gage.

DRAINAGE AREA.--N/A.

GAGE.--Float-activated graphic water-stage recorder and shaft encoder in 8' x 8' shelter with well (with equipment for Arkansas River below Catlin Dam near Fowler CO river gage). Shaft encoder is connected to satellite-monitored data collection platform (DCP) used for river gage. Primary record is DCP log file with the graphic chart recorder used for backup purposes. Fifteen-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume. Elevation of canal gage is 4,257.87 ft. above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by A. Adame.

RATING TABLE.--STD15FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

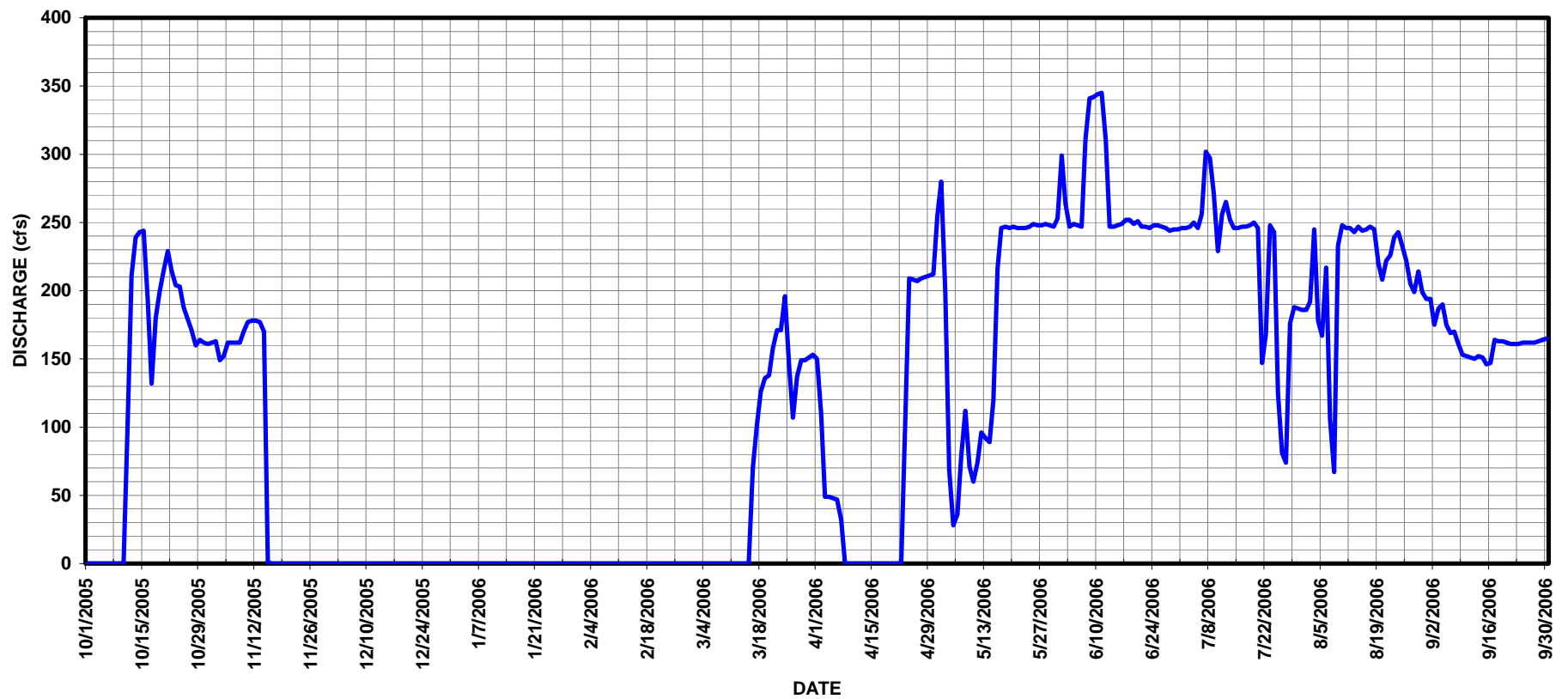
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	162	0	0	0	0	150	255	299	246	186	194
2	0	163	0	0	0	0	110	280	264	246	192	175
3	0	149	0	0	0	0	49	198	247	247	245	187
4	0	152	0	0	0	0	49	69	249	250	178	190
5	0	162	0	0	0	0	48	28	248	246	167	175
6	0	162	0	0	0	0	47	36	247	256	217	169
7	0	162	0	0	0	0	32	79	311	302	106	170
8	0	162	0	0	0	0	0	112	341	297	67	161
9	0	170	0	0	0	0	0	71	342	271	233	153
10	0	177	0	0	0	0	0	60	344	229	248	152
11	104	178	0	0	0	0	0	74	345	256	246	151
12	211	178	0	0	0	0	0	96	310	265	246	150
13	239	177	0	0	0	0	0	92	247	252	243	152
14	243	170	0	0	0	0	0	89	247	246	247	151
15	244	1.1	0	0	0	0	0	120	248	246	244	146
16	193	0	0	0	0	70	0	216	249	247	245	147
17	132	0	0	0	0	102	0	246	252	247	247	164
18	180	0	0	0	0	126	0	247	252	248	245	163
19	199	0	0	0	0	136	0	246	249	250	220	163
20	215	0	0	0	0	138	0	247	251	246	208	162
21	229	0	0	0	0	158	0	246	247	147	222	161
22	215	0	0	0	0	171	0	246	247	168	226	161
23	204	0	0	0	0	171	107	246	246	248	239	161
24	203	0	0	0	0	196	209	247	248	243	243	162
25	188	0	0	0	0	145	208	249	248	125	233	162
26	179	0	0	0	0	107	207	248	247	81	222	162
27	171	0	0	0	0	137	209	248	246	74	205	162
28	160	0	0	0	0	149	210	249	244	176	199	163
29	164	0	0	0	---	149	211	248	245	188	214	164
30	162	0	0	0	---	151	212	247	245	187	199	165
31	161	---	0	0	---	153	---	253	---	186	194	---
TOTAL	3996	2325.1	0	0	0	2259	2058	5588	8005	6916	6626	4898
MEAN	129	77.5	0	0	0	72.9	68.6	180	267	223	214	163
AC-FT	7930	4610	0	0	0	4480	4080	11080	15880	13720	13140	9720
MAX	244	178	0	0	0	196	212	280	345	302	248	194
MIN	0	0	0	0	0	0	0	28	244	74	67	146

CAL YR	2005	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0
WTR YR	2006	TOTAL	42671.1	MEAN	117	MAX	345	MIN	0	AC-FT	84640

MAX DISCH: 348 CFS AT 16:45 ON Jun. 10, 2006 GH 3.07 FT. SHIFT 0 FT.
MAX GH: 3.07 FT. AT 16:45 ON Jun. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119705 CATLIN CANAL NEAR FOWLER CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07119700 ARKANSAS RIVER BELOW CATLIN DAM, NEAR FOWLER, CO (COMBINED)

LOCATION.--Lat 38°07'33", long 103°54'41", in NW¼NW¼ sec. 21, T.22 S., R.58 W., Otero County.

DRAINAGE AREA.--10,901 mi².

REMARKS.--The combined record of discharges was obtained by the addition of Catlin Canal daily flows to the corresponding daily flows in the Arkansas River below Catlin Dam. The peak discharge for the year was 4140 cfs at 0845 July 11, 2006. Combined record is good, except during periods of estimated flow, which should be considered poor. Record developed by Div. II Hydrographic Staff.

ARKANSAS RIVER AND CATLIN CANAL (COMBINED)

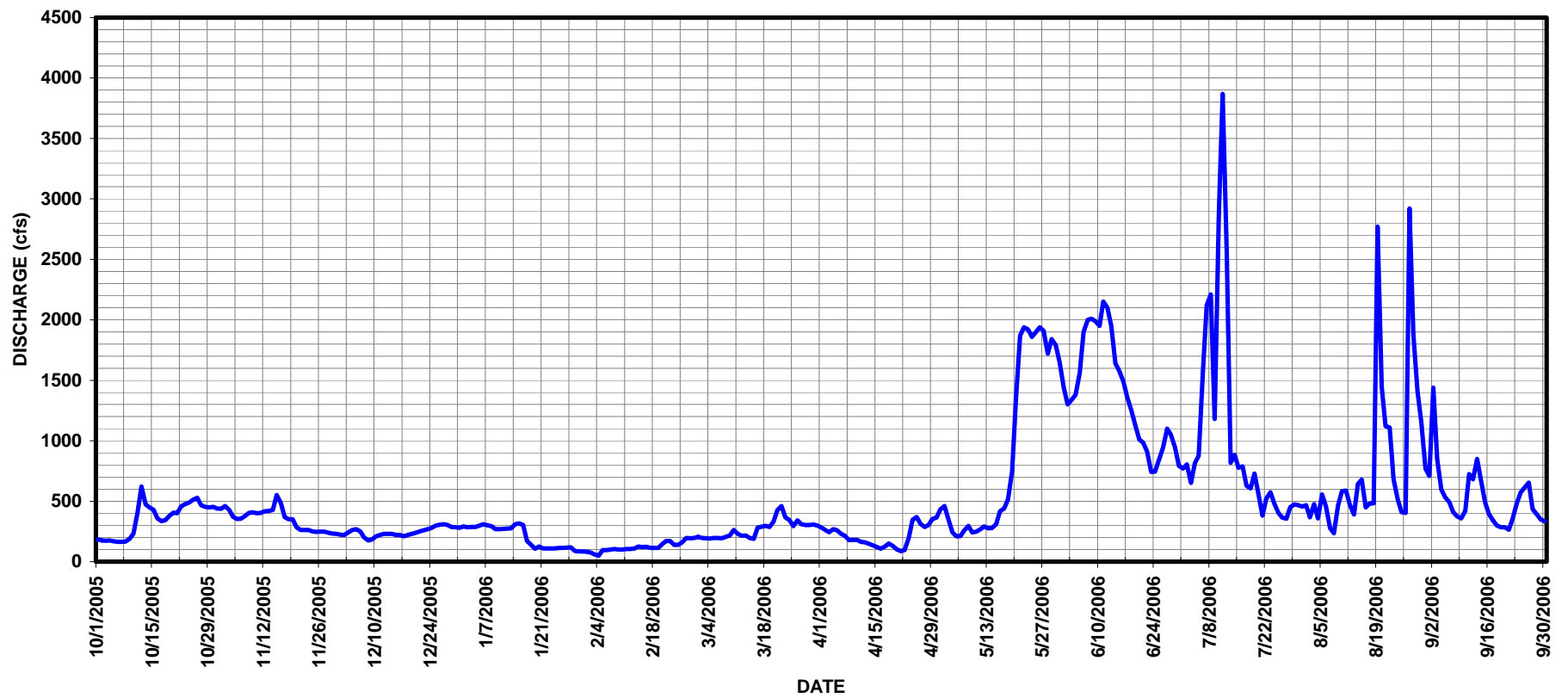
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	437	224	291	81	205	283	433	1440	770	468	708
2	176	461	222	284	76	195	262	460	1300	805	366	1440
3	173	429	241	286	60	193	243	351	1340	652	477	848
4	175	372	262	286	49	192	269	241	1380	814	357	598
5	169	354	270	299	95	196	259	210	1560	878	557	533
6	164	355	250	309	95	195	229	211	1900	1560	457	492
7	165	376	200	301	101	193	215	260	2000	2120	279	409
8	167	403	175	294	105	206	178	296	2010	2210	235	373
9	189	408	185	270	100	217	180	241	1990	1180	465	358
10	233	402	210	270	100	262	179	249	1950	2860	584	420
11	410	403	220	272	105	231	163	266	2150	3870	587	725
12	622	416	230	274	105	215	159	291	2100	2540	469	682
13	475	419	230	276	110	217	148	276	1950	818	390	849
14	449	428	230	309	125	195	134	278	1640	884	642	675
15	429	552	220	317	120	188	120	311	1580	777	678	490
16	357	485	220	304	124	282	108	416	1490	788	448	395
17	336	368	210	172	115	289	126	439	1360	629	481	340
18	344	352	220	139	115	297	150	514	1250	607	484	299
19	380	351	230	106	115	288	131	747	1130	728	2770	284
20	406	285	240	126	145	331	102	1350	1010	565	1450	285
21	401	262	250	110	170	425	87	1870	985	380	1120	265
22	458	263	260	110	170	460	96	1940	912	522	1110	359
23	476	262	270	110	140	366	197	1920	743	575	684	486
24	491	251	280	110	139	344	346	1860	745	480	517	575
25	513	246	299	115	159	294	368	1900	848	404	409	614
26	529	248	306	115	195	342	312	1940	943	365	404	654
27	468	248	311	117	193	310	288	1910	1100	356	2920	436
28	454	240	304	118	195	304	303	1720	1050	451	1880	391
29	448	232	288	89	---	302	353	1840	946	475	1410	352
30	453	229	284	85	---	308	365	1790	794	466	1150	333
31	439	---	281	84	---	299	---	1650	---	456	770	---
TOTAL	11133	10537	7622	6348	3402	8341	6353	28180	41596	30985	25018	15668
MEAN	359	351	246	205	122	269	212	909	1387	1000	807	522
AC-FT	22080	20900	15120	12590	6750	16540	12600	55900	82510	61460	49620	31080
MAX	622	552	311	317	195	460	368	1940	2150	3870	2920	1440
MIN	164	229	175	84	49	188	87	210	743	356	235	265
CAL YR 2005	TOTAL	223496	MEAN	612	MAX	2590	MIN	15	AC-FT	443300		
WTR YR 2006	TOTAL	195183	MEAN	535	MAX	3870	MIN	49	AC-FT	387100		

MAX DISCHARGE: 4140 CFS AT 08:45 ON JUL. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07119700 ARKANSAS RIVER BELOW CATLIN DAM AND CATLIN CANAL NEAR FOWLER CO (COMBINED)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07120500 ARKANSAS RIVER NEAR ROCKY FORD, CO

LOCATION.--Lat 38°03'52", Long 103°41'24" in SE ¼, NW ¼, Sec. 9, T23S, R56W, Hydrologic Unit 11020005, Otero County, on right bank of Arkansas River, approximately 250 feet upstream from State Highway 266, and approximately 1.6 miles NE of Rocky Ford, Colorado.

DRAINAGE AREA AND PERIOD OF RECORD.-- Undetermined. Gage established October 8, 1992.

GAGE.--High data rate Sutron 8210 DCP and Accububble in a 4' x 4' steel gage shelter. A wire weight gage installed on upstream side of Hwy 266 bridge is the primary reference gage. Primary record is DCP log data with satellite-monitored data used for backup purposes. New orifice line installed on Oct 1-2, 2003. Channel work completed on October 10, 2003. Elevation of gage datum is 4130.46 ft MSL.

REMARKS.--Record is complete and reliable for the entire water year, except for the following period(s): Nov 28-Dec 1, Dec 5-22, 2005; Jan 21-25, Feb 11-12, and Feb 17-25, 2006; due to ice affecting the stage-discharge relationship. Record is fair except for periods of ice effect which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--ARKROCCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

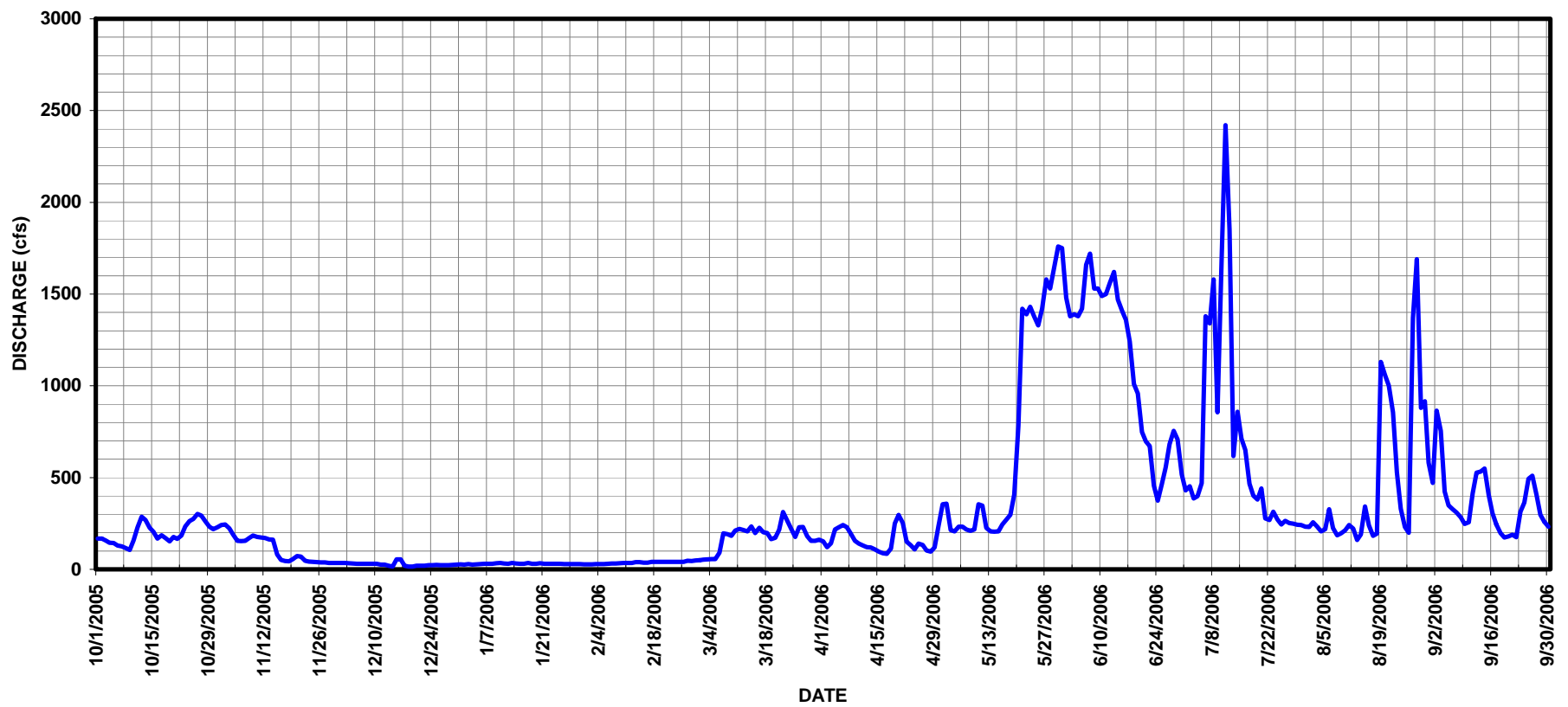
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	241	35	26	27	50	153	355	1480	430	231	471
2	168	245	34	28	27	53	121	358	1380	453	257	865
3	157	224	33	25	29	55	142	214	1390	386	233	755
4	145	189	31	27	29	56	217	207	1380	398	206	424
5	143	155	30	28	29	56	229	232	1420	469	219	348
6	130	154	30	30	30	91	241	233	1660	1380	328	327
7	126	155	30	30	32	196	229	217	1720	1340	225	310
8	116	171	30	30	32	192	195	210	1530	1580	185	283
9	106	184	30	33	33	182	156	218	1530	855	196	247
10	158	176	30	35	34	211	141	355	1490	1690	213	256
11	228	174	25	31	35	220	130	347	1500	2420	242	414
12	287	170	25	30	35	215	121	227	1560	1850	222	527
13	268	163	20	34	39	207	119	206	1620	617	160	532
14	226	161	15	32	39	234	108	205	1470	858	190	550
15	203	82	55	30	36	197	96	207	1410	712	342	404
16	168	51	55	30	36	226	87	245	1360	651	240	307
17	185	45	20	35	40	202	85	271	1240	466	183	244
18	170	44	15	30	40	197	113	297	1010	402	195	198
19	153	56	15	30	40	165	251	408	958	380	1130	173
20	176	72	20	33	40	172	296	783	749	440	1060	180
21	166	70	20	30	40	216	254	1420	697	278	1000	188
22	184	47	20	30	40	313	151	1390	671	268	856	175
23	234	43	22	30	40	266	132	1430	455	314	529	314
24	263	41	23	30	40	222	108	1380	374	271	331	363
25	274	39	24	30	40	176	141	1330	464	244	231	493
26	302	38	23	28	47	230	133	1420	556	264	199	510
27	293	37	23	29	46	231	102	1580	682	252	1370	406
28	263	35	23	28	48	181	97	1530	754	249	1690	298
29	233	35	24	28	---	155	119	1640	708	243	880	259
30	219	35	26	28	---	155	235	1760	517	241	916	232
31	230	---	27	27	---	162	---	1750	---	233	581	---
TOTAL	6141	3332	833	925	1023	5484	4702	22425	33735	20634	14840	11053
MEAN	198	111	26.9	29.8	36.5	177	157	723	1125	666	479	368
AC-FT	12180	6610	1650	1830	2030	10880	9330	44480	66910	40930	29440	21920
MAX	302	245	55	35	48	313	296	1760	1720	2420	1690	865
MIN	106	35	15	25	27	50	85	205	374	233	160	173

CAL YR	2005	TOTAL	134203	MEAN	368	MAX	1910	MIN	15	AC-FT	266200
WTR YR	2006	TOTAL	125127	MEAN	343	MAX	2420	MIN	15	AC-FT	248200

MAX DISCH: 3180 CFS AT 00:45 ON Aug. 28, 2006 GH 4.59 FT. SHIFT -0.21 FT.
MAX GH: 4.59 FT. AT 00:45 ON Aug. 28, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07120500 ARKANSAS RIVER NEAR ROCKY FORD CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07122400 CROOKED ARROYO NEAR SWINK, CO

LOCATION.--Lat 37°58'56", long 103°35'52", in SW¼SW¼ sec. 5, T.24 S., R.55 W., Otero County, on right bank 54 ft. downstream from bridge on State Highway 10, 2.0 mi. upstream from mouth, and 2.8 mi. southeast of Swink.

DRAINAGE AREA.--108 mi².

GAGE.--High data rate Sutron 8210 DCP and Accububble installed in a 4' x 4' steel shelter. Primary record is DCP log file with satellite-monitored data used for backup. Primary reference gage is a tapedown to the water surface from an RP in the channel. Elevation of gage is 4,100 ft. above sea level.

REMARKS.--Record is complete and reliable, except for the following period(s): Jan 18-21; Feb. 16-18 and 22-24, 2006, due to ice affecting the stage-discharge relationship. Record is rated fair for the entire water year, except for periods of ice effect, which are rated poor. Station maintained by Adam Adame and record developed by M.A. Perry.

RATING TABLE.--CANSWKCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

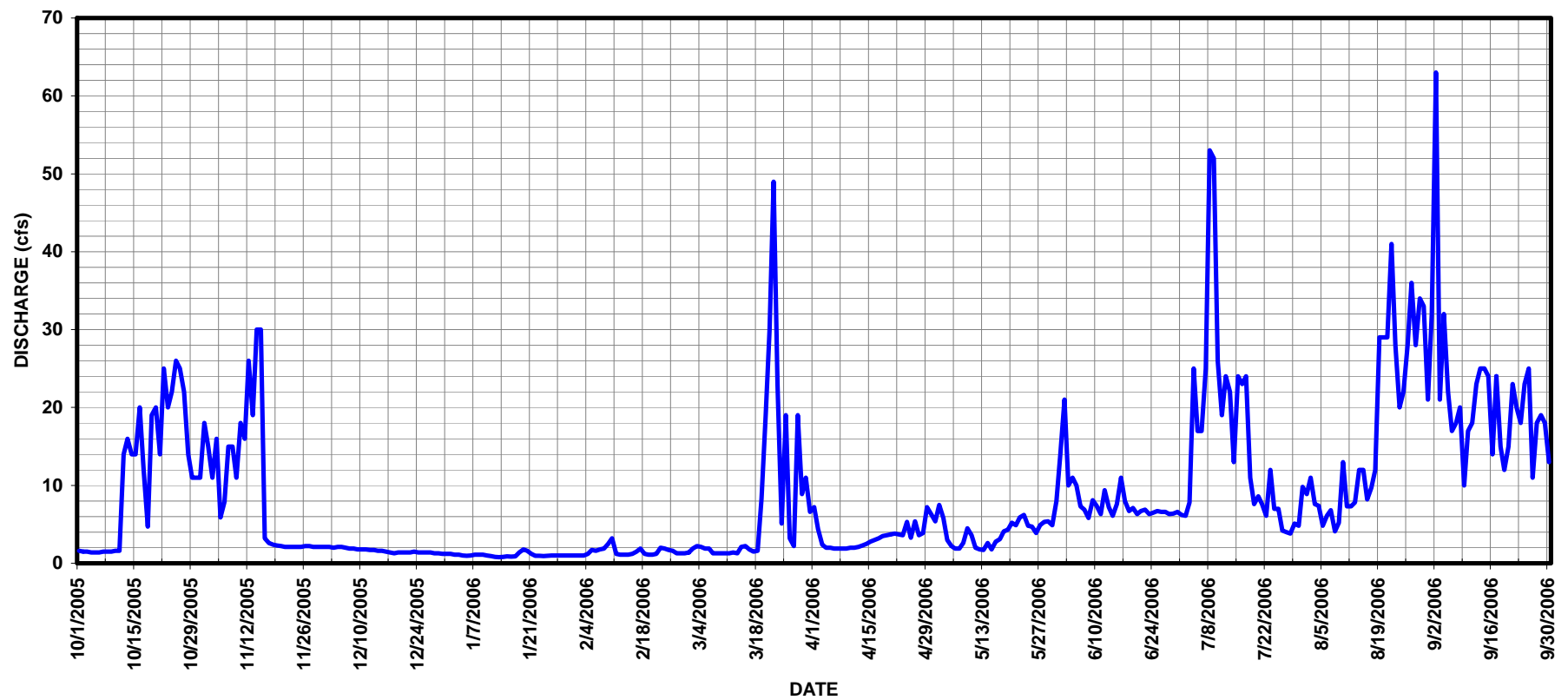
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	18	2.1	1.2	1.0	1.4	7.2	5.4	14	6.2	8.9	32
2	1.5	15	2.1	1.1	1.0	1.9	4.4	7.5	21	6.1	11	63
3	1.5	11	2.0	1.1	.99	2.2	2.4	5.8	10	7.8	7.6	21
4	1.4	16	2.1	1.0	1.2	2.1	2.0	3.0	11	25	7.4	32
5	1.4	5.9	2.1	.96	1.7	1.9	2.0	2.2	10	17	4.8	22
6	1.4	7.9	2.0	1.0	1.6	1.9	1.9	1.9	7.3	17	6.1	17
7	1.5	15	1.9	1.1	1.8	1.3	1.9	1.9	6.9	25	6.8	18
8	1.5	15	1.9	1.1	1.9	1.3	1.9	2.6	5.8	53	4.1	20
9	1.5	11	1.8	1.1	2.5	1.3	1.9	4.5	8.1	52	5.2	10
10	1.6	18	1.8	1.0	3.2	1.3	2.0	3.6	7.4	26	13	17
11	1.6	16	1.8	.91	1.2	1.3	2.0	2.0	6.3	19	7.3	18
12	14	26	1.7	.82	1.1	1.4	2.1	1.8	9.4	24	7.3	23
13	16	19	1.7	.80	1.1	1.3	2.3	1.7	7.2	22	7.8	25
14	14	30	1.6	.82	1.1	2.1	2.5	2.6	6.1	13	12	25
15	14	30	1.6	.89	1.2	2.2	2.8	1.8	7.6	24	12	24
16	20	3.2	1.5	.87	1.5	1.8	3.0	2.8	11	23	8.2	14
17	12	2.6	1.4	.90	1.9	1.5	3.2	3.1	8.0	24	9.7	24
18	4.7	2.4	1.3	1.4	1.2	1.6	3.5	4.1	6.7	11	12	15
19	19	2.3	1.4	1.8	1.1	8.3	3.6	4.3	7.1	7.6	29	12
20	20	2.2	1.4	1.6	1.1	19	3.7	5.2	6.3	8.6	29	15
21	14	2.1	1.4	1.2	1.2	30	3.8	4.9	6.7	7.6	29	23
22	25	2.1	1.4	.95	2.0	49	3.7	5.9	6.9	6.1	41	20
23	20	2.1	1.5	.95	1.9	23	3.6	6.2	6.3	12	28	18
24	22	2.1	1.4	.94	1.7	5.1	5.3	4.8	6.5	7.0	20	23
25	26	2.1	1.4	.95	1.6	19	3.3	4.7	6.7	7.0	22	25
26	25	2.2	1.4	1.0	1.3	3.2	5.4	3.9	6.6	4.2	28	11
27	22	2.2	1.4	1.0	1.3	2.2	3.6	4.9	6.6	4.0	36	18
28	14	2.1	1.3	1.0	1.3	19	3.9	5.3	6.3	3.8	28	19
29	11	2.1	1.3	1.0	---	8.9	7.2	5.4	6.4	5.1	34	18
30	11	2.1	1.2	.99	---	11	6.3	4.9	6.6	4.8	33	13
31	11	---	1.2	1.0	---	6.6	---	8.0	---	9.8	21	---
TOTAL	351.2	287.7	50.1	32.45	41.69	234.1	102.4	126.7	242.8	482.7	529.2	635
MEAN	11.3	9.59	1.62	1.05	1.49	7.55	3.41	4.09	8.09	15.6	17.1	21.2
AC-FT	697	571	99	64	83	464	203	251	482	957	1050	1260
MAX	26	30	2.1	1.8	3.2	49	7.2	8.0	21	53	41	63
MIN	1.4	2.1	1.2	.80	.99	1.3	1.9	1.7	5.8	3.8	4.1	10

CAL YR	2005	TOTAL	3028.00	MEAN	8.30	MAX	64	MIN	.61	AC-FT	6000
WTR YR	2006	TOTAL	3116.04	MEAN	8.54	MAX	63	MIN	.8	AC-FT	6180

MAX DISCH: 111 CFS AT 20:15 ON Jul. 9, 2006 GH 3.35 FT. SHIFT -0.06 FT.
MAX GH: 3.35 FT. AT 20:15 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07122400 CROOKED ARROYO NEAR SWINK CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07123000 ARKANSAS RIVER AT LA JUNTA, CO

LOCATION.--Lat 37°59'26", long 103°31'55", in SE¼NE¼ sec. 2, T.24 S., R.55 W., Otero County, Hydrologic Unit 11020005, on right bank at upstream side of bridge on State Highway 109 in La Junta, 450 ft upstream from King Arroyo.

DRAINAGE AREA AND PERIOD OF RECORD.--12,210 mi². Staff gage originally established by USGS in 1889, with sporadic data and various locations. Water stage recorder in use since Oct. 1933 at several locations also. Gage site in continuous use since then.

GAGE.--Satellite-monitored data collection platform (Sutron 8210 DCP), and Accububble in 4 ft x 4 ft steel shelter. DCP log file is primary record with satellite data use for backup. Wire-weight gage on bridge serves as primary reference gage. High data rate Sutron 8210 DCP installed May 20, 2002. Datum of gage is 4,039.60 ft above National Geodetic Vertical Datum of 1929. See WSP 1711 or 1731 for history of changes prior to June 13, 1940. June 13, 1940, to June 6, 1967, water-stage recorder at site 300 ft upstream at present datum.

REMARKS.--Record is complete and reliable, except for: November 14-19, December 5-20, 2005; January 21-26, February 11-13, 17-23, 2006; when ice affected the stage-discharge relationship. Record good, except for periods of missing or estimated gage height, which should be considered poor. Station maintained by A. Adame and record developed by A. Adame and M. Perry.

RATING TABLE.--ARKLAJCO41 USED FROM 01-OCT-2005 TO 30-SEP-2006

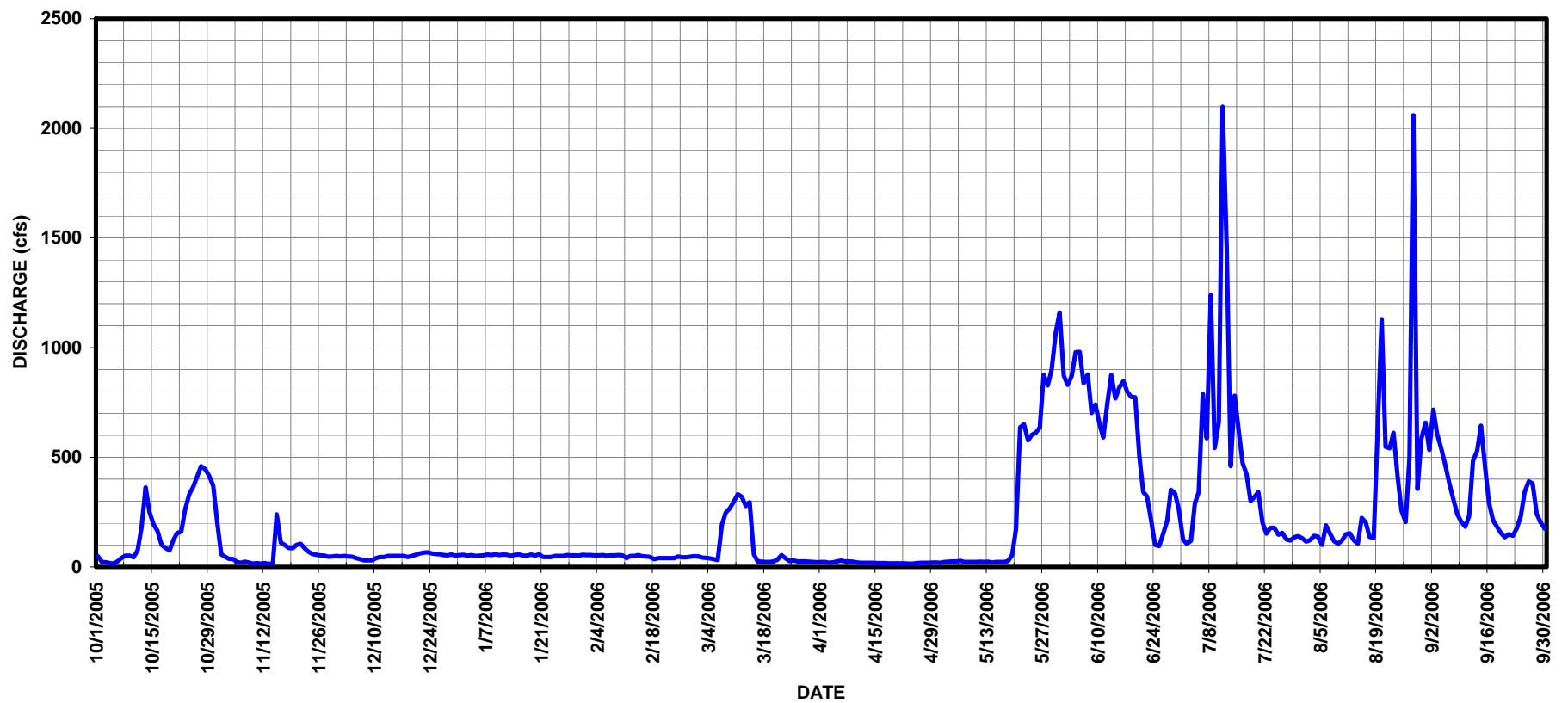
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	58	48	55	54	48	22	19	873	125	116	534
2	23	47	50	52	54	43	22	23	830	106	122	717
3	21	37	48	54	53	42	19	24	872	119	142	605
4	17	36	46	50	53	39	21	25	979	290	138	539
5	15	23	40	52	54	35	25	25	981	341	101	467
6	26	19	35	53	51	32	29	27	837	790	189	382
7	42	24	30	56	53	192	25	23	878	586	152	313
8	51	20	30	54	53	247	25	23	702	1240	118	240
9	51	15	30	58	54	267	24	23	741	543	106	207
10	44	17	40	54	53	297	20	23	652	661	120	183
11	75	15	45	56	40	332	19	24	590	2100	149	232
12	178	18	45	55	50	320	19	23	748	1440	153	484
13	363	14	50	50	50	277	19	24	875	459	121	529
14	250	15	50	55	54	295	19	20	769	781	107	644
15	193	240	50	56	49	58	18	22	818	629	224	455
16	164	110	50	52	48	25	18	22	848	474	204	292
17	101	100	50	51	45	24	17	23	799	424	137	212
18	87	87	45	56	35	23	16	26	775	300	133	183
19	75	85	50	52	40	23	16	54	774	319	615	154
20	123	100	55	58	40	25	16	172	506	342	1130	136
21	154	106	62	45	40	33	16	637	342	203	548	150
22	161	85	65	45	40	54	16	650	322	152	541	142
23	263	69	66	45	40	40	15	577	211	178	612	177
24	331	59	61	50	48	26	15	603	100	178	409	231
25	364	55	59	50	44	30	18	613	95	147	256	342
26	413	53	58	50	44	25	19	635	149	156	205	391
27	460	52	54	54	46	25	19	876	210	126	501	380
28	446	47	53	53	49	25	19	828	351	120	2060	241
29	415	48	56	53	---	24	20	900	335	136	355	204
30	370	50	51	52	---	23	20	1070	261	141	584	175
31	208	---	54	55	---	21	---	1160	---	130	658	---
TOTAL	5533	1704	1526	1631	1334	2970	586	9194	18223	13736	11006	9941
MEAN	178	56.8	49.2	52.6	47.6	95.8	19.5	297	607	443	355	331
AC-FT	10970	3380	3030	3240	2650	5890	1160	18240	36150	27250	21830	19720
MAX	460	240	66	58	54	332	29	1160	981	2100	2060	717
MIN	15	14	30	45	35	21	15	19	95	106	101	136
CAL YR	2005	TOTAL	61218	MEAN	168	MAX	1470	MIN	3.4	AC-FT	121400	
WTR YR	2006	TOTAL	77384	MEAN	212	MAX	2100	MIN	14	AC-FT	153500	

MAX DISCH: 3390 CFS AT 08:15 ON Aug. 28, 2006 GH 10.73 FT. SHIFT -1.02 FT.
MAX GH: 10.73 FT. AT 08:15 ON Aug. 28, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07123000 ARKANSAS RIVER AT LA JUNTA CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS, CO

LOCATION.--Lat 38°05'06", long 103°21'12", in SE1/4,SW1/4, sec. 33, T.22S., R.53 W., Bent County, Hydrological Unit 11020008, on right bank 15 ft upstream from right end of box culverts on State Highway 194, 3.2 mi upstream from mouth, 3.4 mi downstream from Ft. Lyon Canal Aqueduct, and 7.5 mi west of Las Animas, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--Drainage undetermined. Established and operated Oct. 19, 1979 to Sep. 30, 1993 by USGS. Operated and maintained by State of Colorado, Oct. 01, 1993 to present.

GAGE.--Accububble and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4' x 4' steel shelter. Primary record is DCP data log with satellite-monitored data used for backup purposes. An outside staff gage installed on the right side of the channel approximately 30 ft. upstream of the box culverts under Highway 194 is the primary reference gage.

REMARKS.--Record is complete and reliable, except for the following period(s): Dec. 7 and 8, 2005; Jan. 21-23 and Feb. 17-20, 2006 due to ice in the channel affecting the stage-discharge relationship; and, Jan. 17, 2006 due to bad DCP data. Record fair, except during periods of ice affected gage height record and problems with DCP data, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--HRC194C007 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

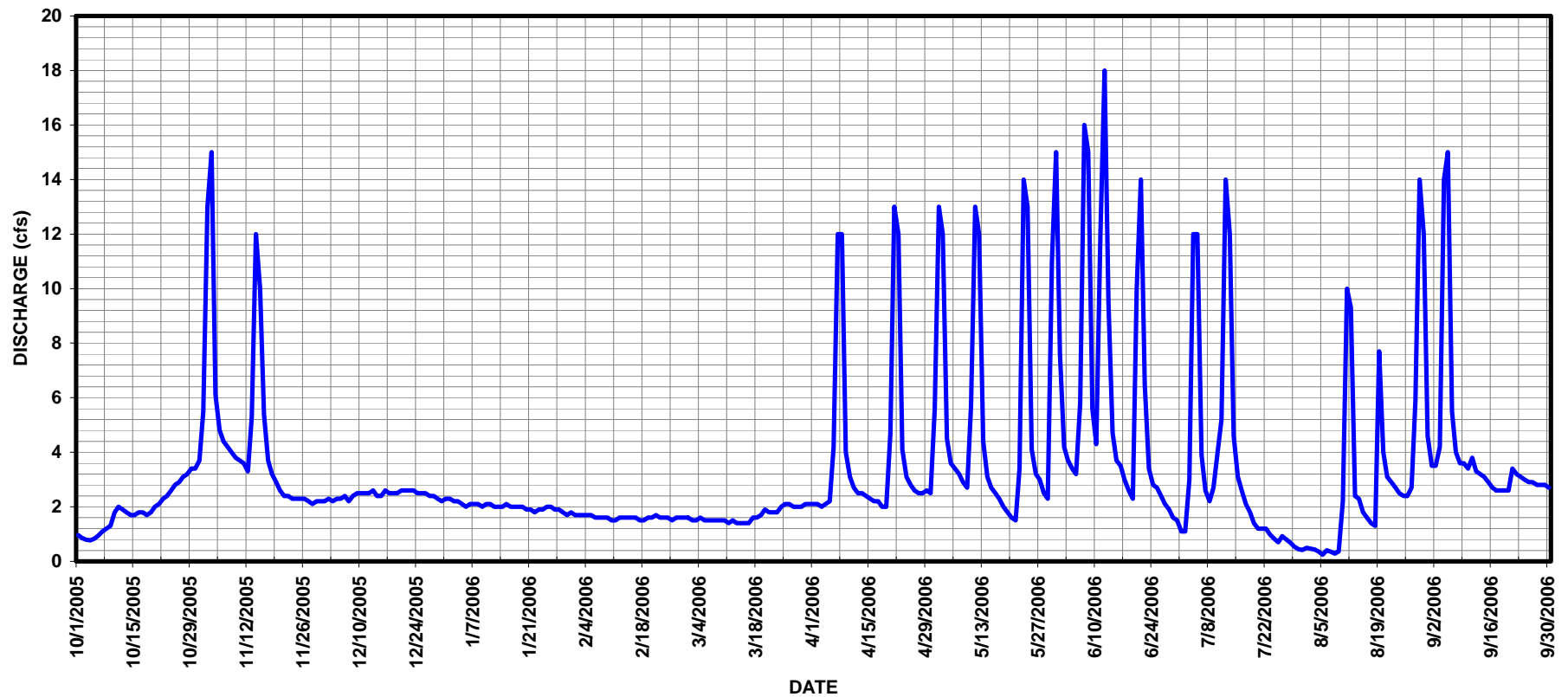
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.96	5.5	2.2	2.3	1.7	1.6	2.1	5.6	7.6	1.1	.50	3.5
2	.85	13	2.3	2.2	1.7	1.5	2.1	13	4.2	1.1	.47	3.5
3	.79	15	2.2	2.2	1.7	1.5	2.0	12	3.7	3.0	.44	4.2
4	.77	6.1	2.3	2.1	1.7	1.6	2.1	4.5	3.4	12	.37	14
5	.83	4.8	2.3	2.0	1.7	1.5	2.2	3.6	3.2	12	.24	15
6	.94	4.4	2.4	2.1	1.6	1.5	4.2	3.4	5.8	3.9	.41	5.5
7	1.1	4.2	2.2	2.1	1.6	1.5	12	3.2	16	2.6	.36	4.0
8	1.2	4.0	2.4	2.1	1.6	1.5	12	2.9	15	2.2	.28	3.6
9	1.3	3.8	2.5	2.0	1.6	1.5	4.0	2.7	5.6	2.7	.37	3.6
10	1.8	3.7	2.5	2.1	1.5	1.5	3.1	5.7	4.3	4.0	2.2	3.4
11	2.0	3.6	2.5	2.1	1.5	1.4	2.7	13	12	5.2	10	3.8
12	1.9	3.3	2.5	2.0	1.6	1.5	2.5	12	18	14	9.3	3.3
13	1.8	5.3	2.6	2.0	1.6	1.4	2.5	4.4	9.5	12	2.4	3.2
14	1.7	12	2.4	2.0	1.6	1.4	2.4	3.1	4.7	4.6	2.3	3.1
15	1.7	10	2.4	2.1	1.6	1.4	2.3	2.7	3.7	3.1	1.8	2.9
16	1.8	5.4	2.6	2.0	1.6	1.4	2.2	2.5	3.5	2.6	1.6	2.7
17	1.8	3.7	2.5	2.0	1.5	1.6	2.2	2.3	3.0	2.1	1.4	2.6
18	1.7	3.2	2.5	2.0	1.5	1.6	2.0	2.0	2.6	1.8	1.3	2.6
19	1.8	2.9	2.5	2.0	1.6	1.7	2.0	1.8	2.3	1.4	7.7	2.6
20	2.0	2.6	2.6	1.9	1.6	1.9	4.7	1.6	10	1.2	4.0	2.6
21	2.1	2.4	2.6	1.9	1.7	1.8	13	1.5	14	1.2	3.1	3.4
22	2.3	2.4	2.6	1.8	1.6	1.8	12	3.4	6.5	1.2	2.9	3.2
23	2.4	2.3	2.6	1.9	1.6	1.8	4.1	14	3.4	.99	2.7	3.1
24	2.6	2.3	2.5	1.9	1.6	2.0	3.1	13	2.8	.83	2.5	3.0
25	2.8	2.3	2.5	2.0	1.5	2.1	2.8	4.1	2.7	.70	2.4	2.9
26	2.9	2.3	2.5	2.0	1.6	2.1	2.6	3.2	2.4	.92	2.4	2.9
27	3.1	2.2	2.4	1.9	1.6	2.0	2.5	3.0	2.1	.80	2.7	2.8
28	3.2	2.1	2.4	1.9	1.6	2.0	2.5	2.5	1.9	.69	5.9	2.8
29	3.4	2.2	2.3	1.8	---	2.0	2.6	2.3	1.6	.54	14	2.8
30	3.4	2.2	2.2	1.7	---	2.1	2.5	11	1.5	.45	12	2.7
31	3.7	---	2.3	1.8	---	2.1	---	15	---	.42	4.6	---
TOTAL	60.64	139.2	75.3	61.9	44.9	52.3	119.0	175.0	177.0	101.34	102.64	119.3
MEAN	1.96	4.64	2.43	2.00	1.60	1.69	3.97	5.65	5.90	3.27	3.31	3.98
AC-FT	120	276	149	123	89	104	236	347	351	201	204	237
MAX	3.7	15	2.6	2.3	1.7	2.1	13	15	18	14	14	15
MIN	.77	2.1	2.2	1.7	1.5	1.4	2.0	1.5	1.5	.42	.24	2.6

CAL YR	2005	TOTAL	1372.06	MEAN	3.76	MAX	15	MIN	.77	AC-FT	2700
WTR YR	2006	TOTAL	1228.52	MEAN	3.37	MAX	18	MIN	.24	AC-FT	2440

MAX DISCH: 19.5 CFS AT 14:45 ON Jun. 12, 2006 GH 1.04 FT. SHIFT 0.16 FT.
MAX GH: 1.15 FT. AT 21:30 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07123675 HORSE CREEK at HIGHWAY 194 nr LAS ANIMAS CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

RATON CREEK ABOVE STARKVILLE, CO

LOCATION.--Lat 37°07'35.5", Long 104°31'24.8" in NW¼, NE¼, NE¼, Section 35,T33S, R64W, Las Animas County, 20 feet away from the creek on the left upstream side of bridge for road 18.3 approximately half a mile south of Interstate 25 exit 8 south of Trinidad.

DRAINAGE AREA.--Undetermined.

GAGE.--Sutron SatLink satellite-monitored data collection platform (DCP), with High Data Rate (HDR) radio and shaft encoder. The data logger is housed inside a 4' x 4' metal shelter about 20 feet away from the creek, while the shaft encoder is in a 20" x 30" metal shelter on an 18" corrugated metal pipe stilling well attached to the left bridge wing wall. Shaft encoder is set to an electric drop tape inside the half shelter. Primary record is the DCP data log with satellite data used for back-up purposes.

REMARKS.--Record is complete and reliable except for the following periods: November 16 - 18, 20 - 30; December 1, 2, 5, 6, 11, 12, 15, 19 -23, 2005; January 5, 6, 10 - 12, 17, 18, 21 -25, 30, 31; February 13, 14, 16, 17, 20 - 25; March 21 - 23, 2006, when ice in the creek affected the stage-discharge relationship. December 7 - 10, 16 - 18, 2005; February 11, 12, 18, 19, 2006, when the well was frozen. Record considered good, periods of ice effect, which should be considered poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--RACRSTCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.54	1.2	1.2	.93	1.4	.90	.98	.95	.18	0	1.0	.69
2	.52	1.2	1.2	.95	1.2	.90	.98	.93	.14	0	.44	.74
3	.51	1.1	1.2	.93	1.2	.91	.98	.93	.11	0	.29	.63
4	.50	1.1	1.1	.94	1.2	.92	.98	.88	.08	.08	.19	.54
5	.50	1.2	.95	.90	1.2	.92	.94	.87	.04	0	.96	.46
6	.53	1.2	.80	.95	1.2	.92	.94	.87	0	.11	.46	.44
7	.54	1.1	.80	.97	1.3	.92	.93	.82	.03	.13	.35	.47
8	.54	1.1	.50	.97	1.4	.92	.93	.82	0	.18	.44	.66
9	1.1	1.1	.50	.96	1.4	.93	.92	.77	0	8.1	.30	.59
10	5.8	1.1	.80	.95	1.1	.92	.91	.76	0	1.2	.21	.51
11	2.8	1.1	.90	1.0	.90	.92	.90	.73	0	.47	.18	.72
12	2.1	1.2	.80	1.1	.90	.92	.90	.70	0	.24	.17	.62
13	1.6	1.1	.83	1.2	1.1	.90	.90	.67	0	.21	.20	.47
14	1.3	1.2	.91	1.6	1.2	.91	.90	.67	0	.17	.28	.41
15	1.3	1.4	.80	1.1	1.2	.89	.90	.67	0	.14	.18	.36
16	1.4	1.1	.80	1.0	.90	.88	.90	.60	0	.09	.18	.31
17	1.2	1.3	.80	1.3	.90	.88	.90	.57	0	.03	.16	.30
18	1.1	1.4	.80	1.2	.90	.91	.89	.57	0	0	7.6	.33
19	1.4	1.5	.90	1.3	1.0	.92	.90	.52	0	0	2.2	.32
20	1.4	1.2	.80	1.2	1.0	.93	.90	.52	0	0	2.4	.28
21	1.2	1.1	.80	1.5	1.0	.90	.90	.52	0	0	.83	.31
22	1.2	1.1	.85	1.5	1.0	.95	.90	.52	0	0	.80	.31
23	1.2	1.1	.85	1.6	1.0	.95	.90	.45	0	0	.78	.32
24	1.2	1.1	.89	1.7	.90	1.0	.90	.41	0	0	.74	.31
25	1.1	1.2	.90	1.6	.90	1.0	.91	.38	.33	0	5.5	.31
26	1.1	1.2	.91	1.5	.96	1.1	.91	.33	.29	0	8.3	.31
27	1.2	1.3	.92	1.5	.94	1.1	.91	.29	.10	.10	4.6	.33
28	1.2	1.0	.92	1.5	.92	1.1	1.1	.26	.02	.18	.77	.32
29	1.1	1.2	.93	1.6	---	1.1	1.1	.24	0	.05	7.1	.33
30	1.1	1.2	.93	1.5	---	1.1	.97	.23	0	0	2.7	.33
31	1.2	---	.93	1.5	---	.99	---	.20	---	.09	.79	---
TOTAL	39.48	35.4	27.22	38.45	30.22	29.51	27.98	18.65	1.32	11.57	51.10	13.03
MEAN	1.27	1.18	.88	1.24	1.08	.95	.93	.60	.044	.37	1.65	.43
AC-FT	78	70	54	76	60	59	55	37	2.6	23	101	26
MAX	5.8	1.5	1.2	1.7	1.4	1.1	1.1	.95	.33	8.1	8.3	.74
MIN	.50	1.0	.50	.90	.90	.88	.89	.20	0	0	.16	.28

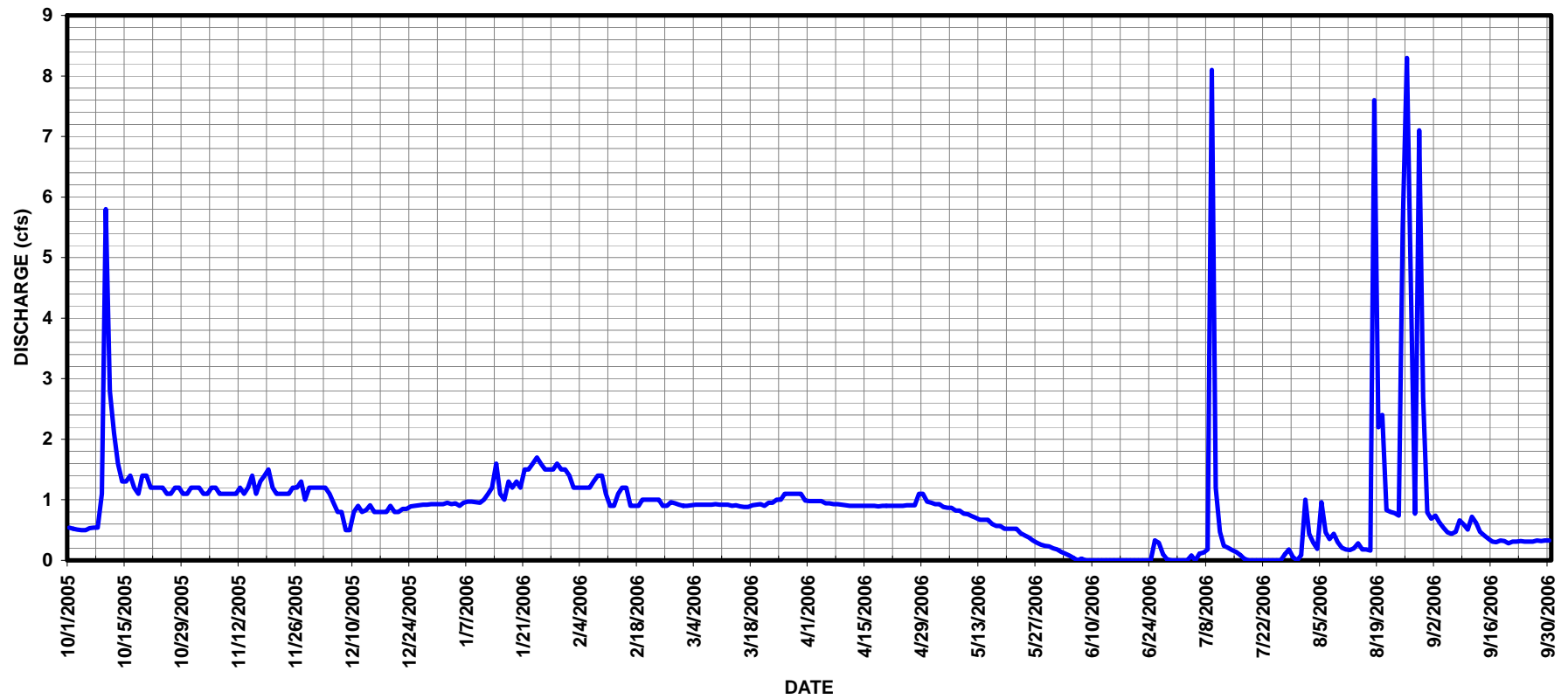
CAL YR	2005	TOTAL	2939.55	MEAN	8.05	MAX	93	MIN	.46	AC-FT	5830
WTR YR	2006	TOTAL	323.93	MEAN	.89	MAX	8.3	MIN	0	AC-FT	643

MAX DISCH: 265 CFS AT 20:15 ON Aug. 25, 2006 GH 5.05 FT. SHIFT 0 FT.

MAX GH: 5.05 FT. AT 20:15 ON Aug. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RATON CREEK ABOVE STARKVILLE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07124500 PURGATOIRE RIVER AT TRINIDAD, CO

LOCATION.--Lat 37°10'15", long 104°30'31", in NW¼SE¼ sec. 13, T.33 S., R.64 W., Las Animas County, in city of Trinidad, on left bank.

DRAINAGE AREA.--795 mi².

GAGE.--Sutron 8210 High Data Rate DCP (satellite monitored data collection platform) controlling a Sutron Accububble system inside a 4' x 4' steel shelter on the left bank above the channel. Orifice line inside 1-½ inch galvanized pipe anchored to the bank extending down and into the channel. Primary record is the DCP log data with satellite-monitored data used for backup purposes. The primary reference is a staff gage set in the streambed near the orifice.

REMARKS.--Record is complete and reliable except for the following periods: Nov 28, 29; Dec 1, 5 - 9, 12, 15 - 19, 2005; Jan 17 - 18, 21 - 24; Feb 10, 11, 17 - 20; Mar 21, 22 2006 when ice at or near the gage affected the gage height. Record considered good, except for days of ice affected gage height record, which are poor. Station maintained and record developed by A.D. Gutierrez.

RATING TABLE.--PURTRICO26 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

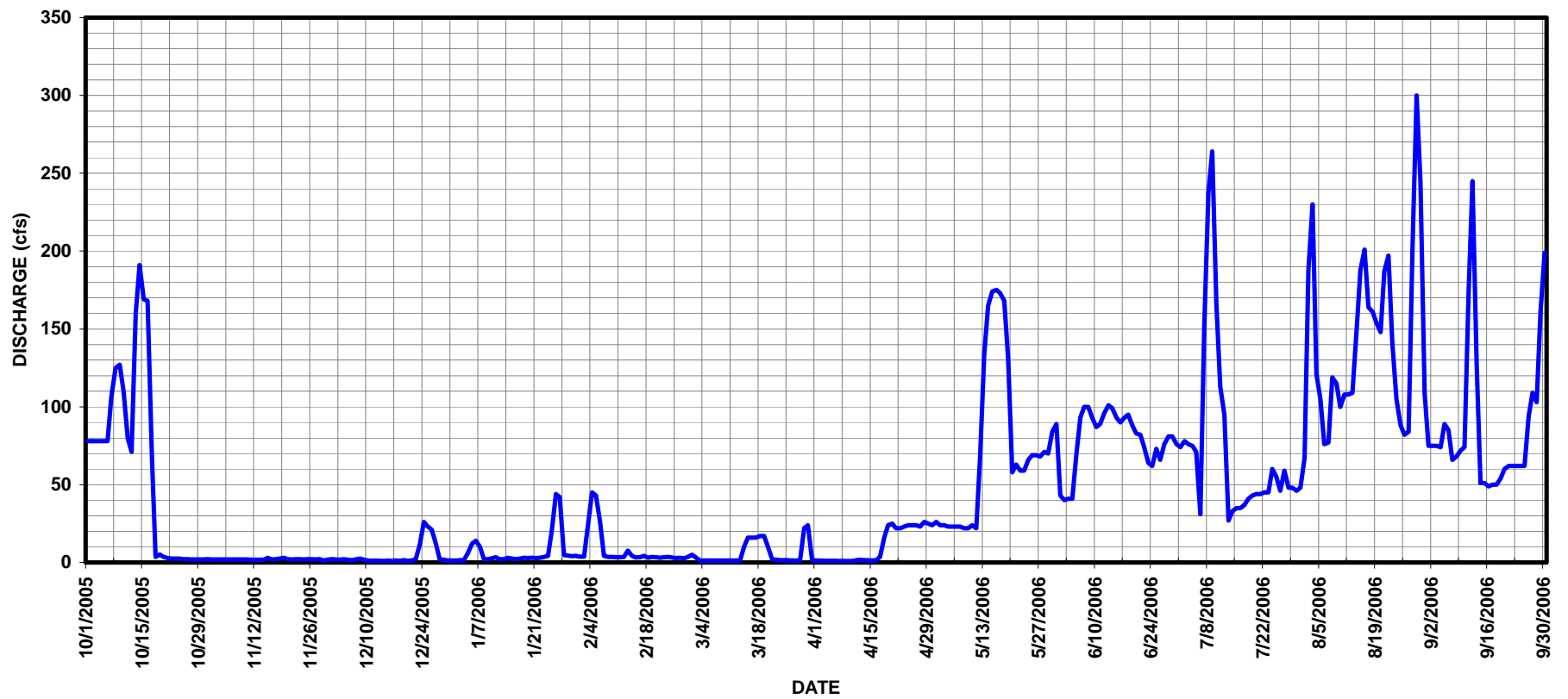
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	2.0	2.1	1.3	3.8	4.9	1.3	26	43	74	67	75
2	78	2.0	1.9	1.4	3.7	3.2	1.2	24	40	78	188	75
3	78	1.9	1.7	1.4	24	1.3	1.1	24	41	76	230	75
4	78	1.9	2.2	6.0	45	1.3	1.1	23	41	75	121	74
5	78	2.0	1.8	12	43	1.3	1.1	23	68	71	105	89
6	78	2.0	1.4	14	26	1.3	1.1	23	93	31	76	85
7	107	2.0	1.9	10	4.3	1.3	.95	23	100	151	77	66
8	125	1.9	2.4	2.2	3.5	1.3	.95	22	100	237	119	68
9	127	2.0	1.7	2.2	3.6	1.3	.95	22	93	264	115	72
10	110	2.0	1.3	2.7	3.4	1.3	.96	24	87	166	100	74
11	80	1.8	1.1	3.4	3.4	1.3	1.4	22	89	113	108	174
12	71	1.8	1.3	2.0	3.5	1.3	1.7	68	96	95	108	245
13	160	1.8	1.0	2.2	7.6	1.2	1.5	134	101	27	109	128
14	191	1.8	.84	3.1	4.2	9.9	1.5	165	99	33	149	51
15	169	3.0	1.2	2.5	3.2	16	1.3	174	93	35	188	51
16	168	1.9	.90	2.2	3.3	16	1.4	175	90	35	201	49
17	72	2.2	1.2	2.4	4.2	16	3.8	173	93	37	164	50
18	3.6	2.4	1.0	3.1	3.0	17	16	168	95	41	161	50
19	5.2	3.0	1.4	2.9	3.5	17	24	131	88	43	154	54
20	3.6	2.1	1.1	3.1	3.3	10	25	58	83	44	148	60
21	2.9	2.0	1.3	2.9	3.0	1.9	22	63	82	44	187	62
22	2.5	2.1	2.3	3.1	3.3	1.8	22	59	74	45	197	62
23	2.4	2.1	12	3.5	3.6	1.5	23	59	64	45	141	62
24	2.5	2.0	26	4.2	3.2	1.5	24	66	62	60	105	62
25	2.2	2.1	23	21	2.8	1.5	24	69	73	55	88	62
26	2.1	2.1	21	44	3.1	1.3	24	69	66	46	82	94
27	2.0	1.9	12	42	2.6	1.3	23	68	76	59	84	109
28	2.0	2.1	2.0	4.7	3.5	1.3	26	71	81	48	201	103
29	2.0	1.3	1.7	4.4	---	22	25	70	81	48	300	161
30	2.0	1.7	1.2	4.0	---	24	24	84	76	46	244	199
31	2.1	---	1.2	4.3	---	1.6	---	89	---	48	109	---
TOTAL	1885.1	60.9	133.14	218.2	224.6	183.9	325.31	2269	2368	2270	4426	2641
MEAN	60.8	2.03	4.29	7.04	8.02	5.93	10.8	73.2	78.9	73.2	143	88.0
AC-FT	3740	121	264	433	445	365	645	4500	4700	4500	8780	5240
MAX	191	3.0	26	44	45	24	26	175	101	264	300	245
MIN	2.0	1.3	.84	1.3	2.6	1.2	.95	22	40	27	67	49

CAL YR 2005 TOTAL 46538.04 MEAN 128 MAX 746 MIN 0.84 AC-FT 92310
WTR YR 2006 TOTAL 17005.15 MEAN 46.6 MAX 300 MIN 0.84 AC-FT 33730

MAX DISCH: 542 CFS AT 13:30 ON Jul. 9, 2006 GH 3.51 FT. SHIFT -0.32 FT. DATUM 0.00
MAX GH: 3.51 FT. AT 13:30 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07124500 PURGATOIRE RIVER AT TRINIDAD CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (RIVER ONLY)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

GAGE.--Sutron Accubar water level sensor and satellite-monitored data collection platform (Sutron 8210 HDR DCP) in a 4 ft by 4 ft steel shelter. The primary gage is an outside drop tape from a reference point on a steel "I" beam on the wall face between Ninemile Dam and the Ninemile Canal headgate. Control is the Ninemile Dam. DCP data log file is the primary record with satellite-monitored gage height data providing backup. A new orifice line and muffler were installed in August 2006.

REMARKS.--Record complete and reliable except for the following periods: Dec 2- 10, 14-18, 24 and 25, 2005; Jan 14,18,21-28, Feb 9-11 and 15-25, 2006, when the stage-discharge relationship was affected by ice; and, July 6-11, 17-19 and Aug 18-31, 2006, due to equipment malfunction and vandalism. Record fair, except during periods of estimated flow and flows over 500 cfs, which should be considered poor. The record for total flow in the river at this location is computed by adding Ninemile Canal flows to this record. High flows have not been measured at or near the gage due to a lack of facilities. Station maintained by A. Adame and record developed by A. Adame and M. Perry.

RATING TABLE.-- PURNINCO17 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

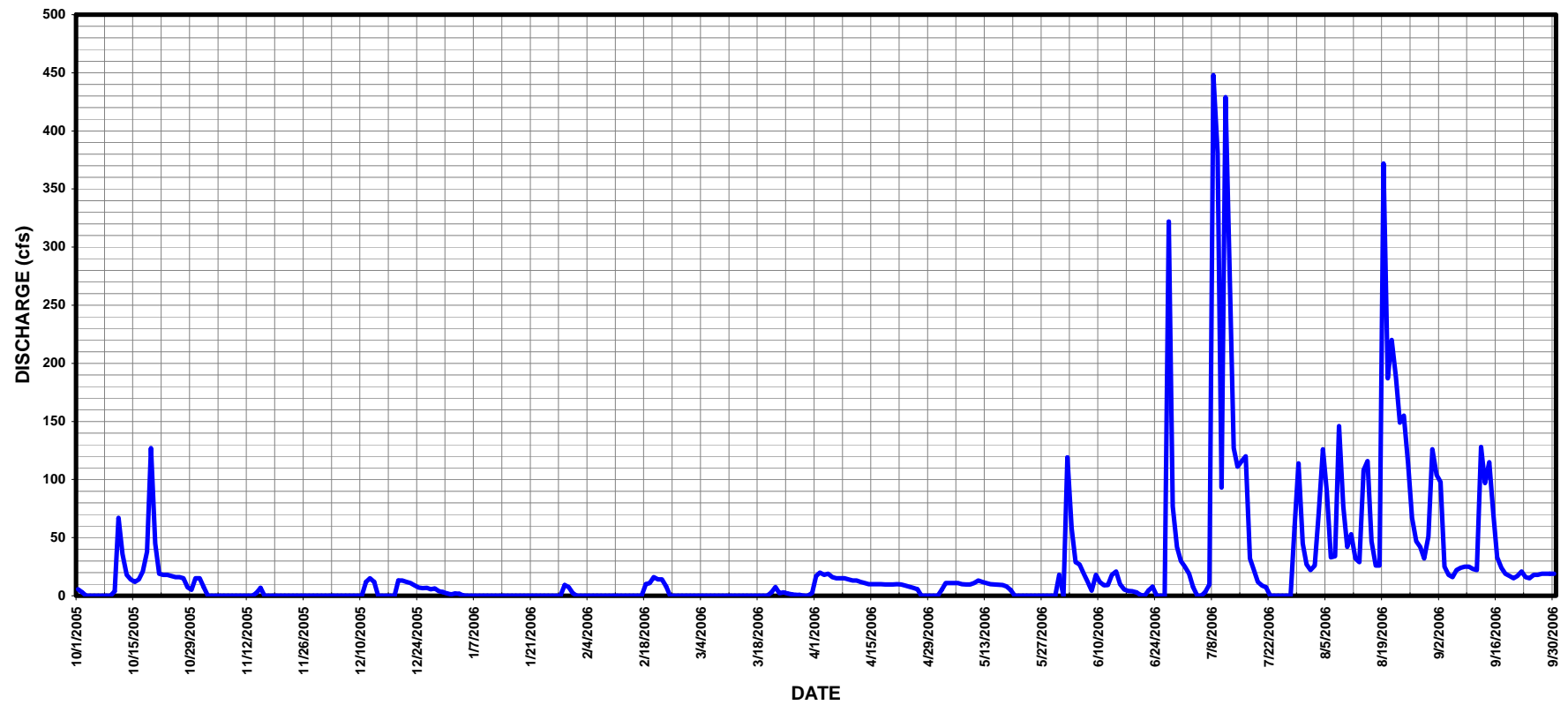
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	7.5	0	1.2	.01	0	17	0	0	25	22	104
2	3.0	.02	0	2.0	0	0	20	5.0	119	19	26	98
3	0	0	0	1.8	0	0	18	11	58	7.5	71	25
4	0	0	0	.34	0	0	19	11	29	0	126	18
5	0	0	0	.10	0	0	16	11	27	0	89	16
6	0	0	0	0	0	0	15	11	19	3.2	33	22
7	0	0	0	0	0	0	15	10	12	9.8	34	24
8	0	0	0	0	0	0	15	9.8	4.3	448	146	25
9	0	0	0	0	0	0	14	9.7	18	381	77	25
10	4.0	0	0	0	0	0	13	11	12	93	42	23
11	67	0	12	0	0	0	13	13	9.1	429	53	22
12	36	0	15	0	0	0	12	12	9.3	274	32	128
13	18	0	12	0	0	0	11	11	18	127	29	97
14	14	2.5	0	0	0	0	10	10	21	111	108	115
15	12	6.9	0	0	0	0	10	9.7	9.9	116	116	72
16	14	0	0	0	0	0	10	9.5	5.3	120	47	33
17	21	0	0	0	0	0	10	9.3	4.2	32	26	24
18	38	0	0	0	10	0	9.7	8.1	3.8	22	26	19
19	127	0	13	0	11	0	9.7	4.9	3.0	12	372	17
20	45	0	13	0	16	0	9.7	0	.77	8.7	187	15
21	19	0	12	0	14	3.0	10	0	0	7.3	220	17
22	18	0	11	0	14	7.5	9.6	0	4.6	0	188	21
23	18	0	9.1	0	8.0	2.3	8.8	0	7.7	0	149	16
24	17	0	7.0	0	0	2.9	7.7	0	0	0	155	15
25	16	0	6.5	0	0	1.9	6.9	0	0	0	114	18
26	16	0	6.9	0	0	1.2	5.6	0	0	0	67	18
27	15	0	5.5	0	0	.82	0	0	322	0	47	19
28	7.4	0	6.2	0	0	.66	0	0	77	59	42	19
29	5.2	0	3.9	9.2	---	.11	0	0	42	114	32	19
30	15	0	3.1	7.6	---	0	0	0	30	45	51	19
31	15	---	2.0	2.1	---	2.5	---	18	---	27	126	---
TOTAL	566.2	16.92	138.2	24.34	73.01	22.89	315.7	195.0	865.97	2490.5	2853	1103
MEAN	18.3	.56	4.46	.79	2.61	.74	10.5	6.29	28.9	80.3	92.0	36.8
AC-FT	1120	34	274	48	145	45	626	387	1720	4940	5660	2190
MAX	127	7.5	15	9.2	16	7.5	20	18	322	448	372	128
MIN	0	0	0	0	0	0	0	0	0	0	22	15

CAL YR	2005	TOTAL	45316.92	MEAN	124.2	MAX	2340	MIN	0	AC-FT	89900
WTR YR	2006	TOTAL	8664.73	MEAN	23.7	MAX	448	MIN	0	AC-FT	17190

MAX DISCH: 1120 CFS AT 19:30 ON Oct. 19, 2005 GH 4.73 FT., SHIFT -0.04 FT., DATUM CORRECTION -0.22 FT.
MAX GH: 4.73 FT. AT 19:30 ON Oct. 19, 2005.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (RIVER ONLY)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE, CO.

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County.

DRAINAGE AREA.--N/A

GAGE.--Float-activated graphic water-stage recorder, SDI shaft encoder, and a High Data Rate Sutron SatLink DCP in a 3 ft by 3 ft steel shelter with well. Primary record is DCP data log with satellite-monitored data and the graphic chart recorder used for backup purposes. Six-foot standard concrete Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable, except for the periods: Nov 29, 30, Dec 1-22, 2005; Jan 13-18, 21-25, Feb 11-25, 2006 when the stage-discharge relationship was affected by ice. Record good, except during periods of ice effect on the stage-discharge relationship, which should be considered poor. Station maintained and record developed by A. Adame.

RATING TABLE.--NMCHIGCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

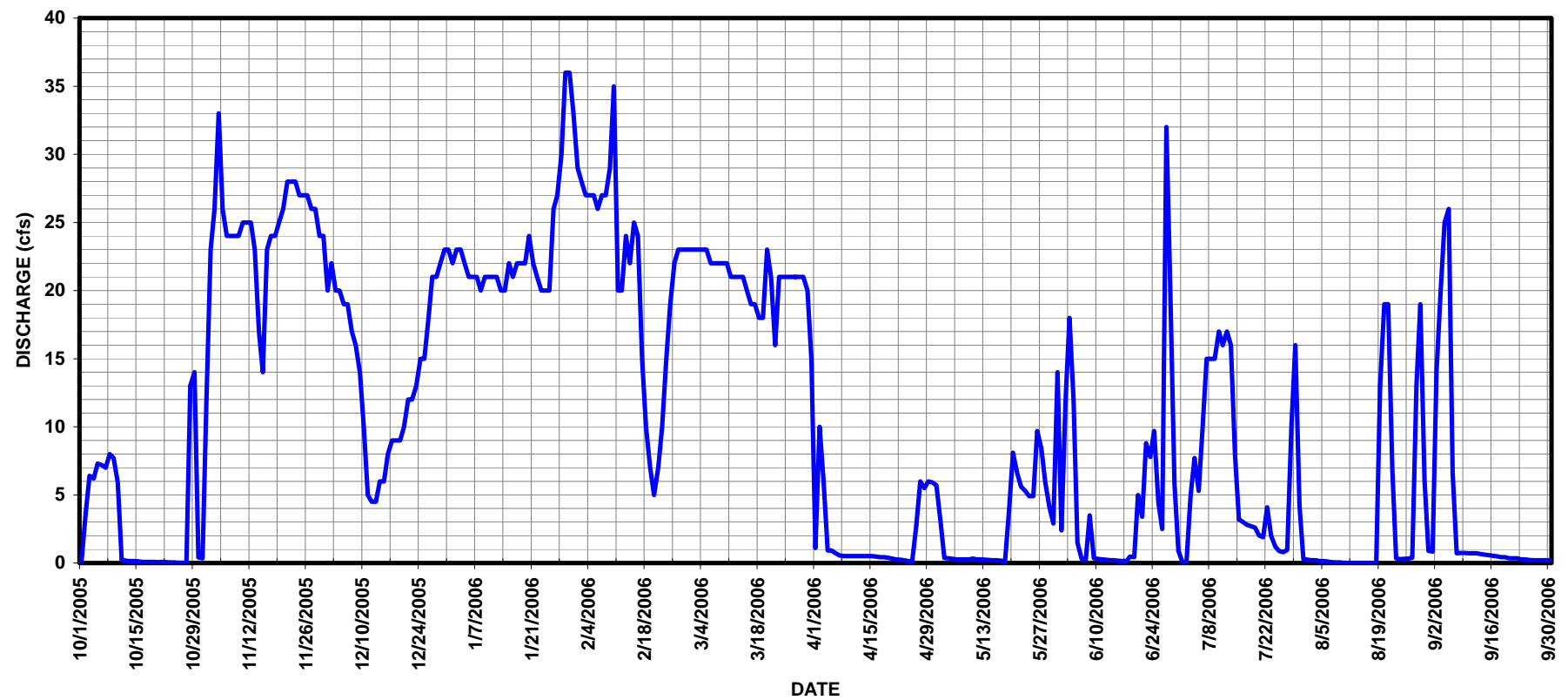
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	12	20	22	29	23	1.1	5.7	2.4	.05	.24	.84
2	3.6	23	22	23	28	23	10	3.0	12	.04	.20	14
3	6.4	26	20	23	27	23	6.1	.37	18	5.0	.20	20
4	6.2	33	20	22	27	23	.93	.35	12	7.7	.15	25
5	7.3	26	19	21	27	23	.92	.30	1.5	5.3	.14	26
6	7.2	24	19	21	26	22	.71	.27	.30	9.8	.10	6.6
7	7.0	24	17	21	27	22	.56	.27	.27	15	.07	.71
8	8.0	24	16	20	27	22	.52	.27	3.5	15	.05	.73
9	7.7	24	14	21	29	22	.52	.26	.35	15	.04	.73
10	5.9	25	10	21	35	22	.52	.32	.30	17	.03	.71
11	.24	25	5.0	21	20	21	.52	.27	.27	16	.01	.71
12	.16	25	4.5	21	20	21	.52	.27	.24	17	0	.71
13	.14	23	4.5	20	24	21	.52	.25	.20	16	0	.65
14	.14	17	6.0	20	22	21	.52	.23	.20	7.9	0	.61
15	.12	14	6.0	22	25	20	.52	.20	.17	3.2	0	.58
16	.09	23	8.0	21	24	19	.48	.20	.14	3.0	0	.53
17	.09	24	9.0	22	15	19	.42	.17	.13	2.8	0	.49
18	.09	24	9.0	22	10	18	.43	.14	.47	2.7	0	.43
19	.08	25	9.0	22	7.0	18	.39	3.9	.42	2.6	13	.43
20	.06	26	10	24	5.0	23	.33	8.1	5.0	2.0	19	.35
21	.09	28	12	22	7.0	21	.27	6.6	3.4	1.9	19	.35
22	.07	28	12	21	10	16	.24	5.6	8.8	4.1	6.8	.34
23	.05	28	13	20	15	21	.20	5.3	7.8	2.0	.35	.27
24	.04	27	15	20	19	21	.15	4.9	9.7	1.2	.29	.27
25	.03	27	15	20	22	21	.13	4.9	4.5	.88	.30	.23
26	.03	27	18	26	23	21	2.8	9.7	2.5	.80	.32	.20
27	.02	26	21	27	23	21	6.0	8.4	32	.97	.38	.20
28	13	26	21	30	23	21	5.5	5.9	20	10	13	.20
29	14	24	22	36	---	21	6.0	4.1	5.8	16	19	.20
30	.41	24	23	36	---	20	5.9	2.9	.89	4.2	6.1	.20
31	.35	---	23	33	---	15	---	14	---	.28	.90	---
TOTAL	88.65	732	443.0	721	596.0	645	53.72	97.14	153.25	205.42	99.67	103.27
MEAN	2.86	24.4	14.3	23.3	21.3	20.8	1.79	3.13	5.11	6.63	3.22	3.44
AC-FT	176	1450	879	1430	1180	1280	107	193	304	407	198	205
MAX	14	33	23	36	35	23	10	14	32	17	19	26
MIN	.02	12	4.5	20	5.0	15	.13	.14	.13	.04	0	.20

CAL YR	2005	TOTAL	4820.03	MEAN	13.2	MAX	33	MIN	0	AC-FT	9560
WTR YR	2006	TOTAL	3938.12	MEAN	10.8	MAX	36	MIN	0	AC-FT	7810

MAX DISCH: 44.9 CFS AT 03:00 ON May. 31, 2006 GH 1.48 FT. SHIFT 0 FT.
MAX GH: 1.48 FT. AT 03:00 ON May. 31, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (COMBINED)

LOCATION.--Lat 37°42'53", long 103°30'38", in NW¼ sec. 7, T.27 S., R.54 W., Otero County, Hydrologic Unit 11020010, on left bank at Ninemile Dam, 4 mi southwest of Higbee, and 5.5 mi upstream from Smith Canyon. Prior to Apr. 21, 1978 gage located 850 ft, upstream.

DRAINAGE AREA.--2,752 mi².

REMARKS.--The combined record of discharges was obtained by the addition of daily flows from the Ninemile Canal to the corresponding daily flows in the Purgatoire River at Ninemile Dam. The peak discharge for the water year was 1120 cfs at 1930 on Oct 19, 2005. Combined record is fair, except during periods of estimated flows and during periods of flow over 500 cfs, all of which should be considered poor. Record developed by Div. II Hydrographic Staff.

PURGATOIRE RIVER AT NINEMILE DAM AND NINEMILE CANAL NEAR HIGBEE CO (COMBINED)

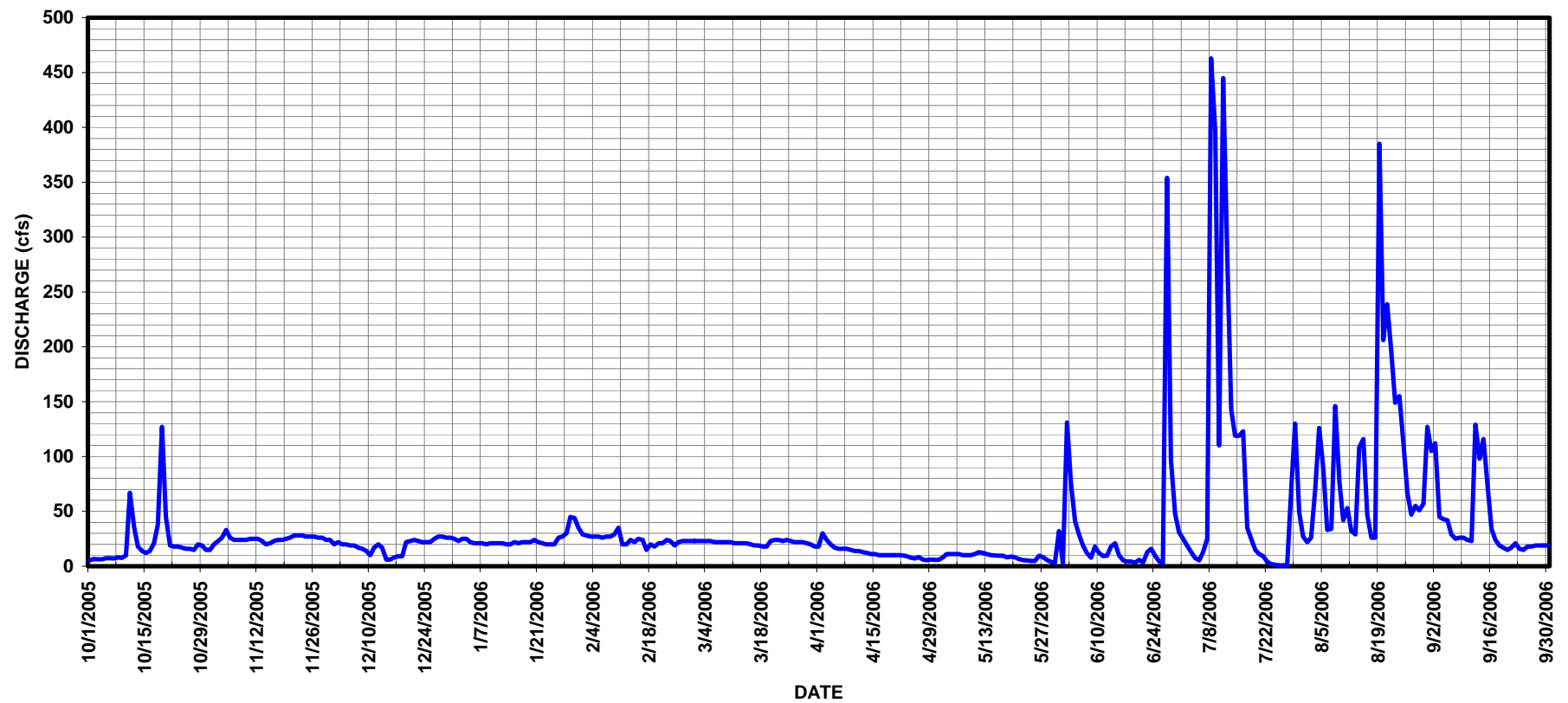
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	20	20	23	29	23	18	5.7	2.4	25	22	105
2	6.6	23	22	25	28	23	30	8	131	19	26	112
3	6.4	26	20	25	27	23	24	11	76	13	71	45
4	6.2	33	20	22	27	23	20	11	41	7.7	126	43
5	7.3	26	19	21	27	23	17	11	29	5.3	89	42
6	7.2	24	19	21	26	22	16	11	19	13	33	29
7	7	24	17	21	27	22	16	10	12	25	34	25
8	8	24	16	20	27	22	16	10	7.8	463	146	26
9	7.7	24	14	21	29	22	15	10	18	396	77	26
10	9.9	25	10	21	35	22	14	11	12	110	42	24
11	67	25	17	21	20	21	14	13	9.4	445	53	23
12	36	25	20	21	20	21	13	12	9.5	291	32	129
13	18	23	17	20	24	21	12	11	18	143	29	98
14	14	20	6	20	22	21	11	10	21	119	108	116
15	12	21	6	22	25	20	11	9.9	10	119	116	73
16	14	23	8	21	24	19	10	9.7	5.4	123	47	34
17	21	24	9	22	15	19	10	9.5	4.3	35	26	24
18	38	24	9	22	20	18	10	8.2	4.3	25	26	19
19	127	25	22	22	18	18	10	8.8	3.4	15	385	17
20	45	26	23	24	21	23	10	8.1	5.8	11	206	15
21	19	28	24	22	21	24	10	6.6	3.4	9.2	239	17
22	18	28	23	21	24	24	9.8	5.6	13	4.1	195	21
23	18	28	22	20	23	23	9	5.3	16	2	149	16
24	17	27	22	20	19	24	7.8	4.9	9.7	1.2	155	15
25	16	27	22	20	22	23	7	4.9	4.5	.88	114	18
26	16	27	25	26	23	22	8.4	9.7	2.5	.8	67	18
27	15	26	27	27	23	22	6	8.4	354	.97	47	19
28	20	26	27	30	23	22	5.5	5.9	97	69	55	19
29	19	24	26	45	---	21	6	4.1	48	130	51	19
30	15	24	26	44	---	20	5.9	2.9	31	49	57	19
31	15	---	25	35	---	18	---	32	---	27	127	---
TOTAL	651.9	750	583	745	669	669	372.4	289.2	1018.4	2697.15	2950	1206
MEAN	21	25	18.8	24	24	22	12.4	9.3	33.9	87	95	40
AC-FT	1290	1490	1160	1480	1330	1330	739	574	2020	5350	5850	2390
MAX	127	33	27	45	35	24	30	32	354	463	385	129
MIN	5.6	20	6	20	15	18	5.5	2.9	2.4	.8	22	15
CAL YR	2005	TOTAL	50132.80	MEAN	137.4	MAX	2360	MIN	4.7	AC-FT	99400	
WTR YR	2006	TOTAL	12601.05	MEAN	34.5	MAX	463	MIN	.8	AC-FT	24990	

MAX DISCHARGE: 1120 CFS AT 19:30 ON OCT. 19, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

07126500 PURGATOIRE RIVER AT NINEMILE DAM NEAR HIGBEE, CO (COMBINED)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Sutron Accubar water level sensor and satellite-monitored data collection platform (High data rate Sutron 8210 DCP) in a 4 ft x 4 ft steel shelter. Primary record is DCP data logger data with satellite-monitored data used for backup purposes. Primary reference gage is outside staff gage on left side of channel approximately 150 ft east of shelter. A new reference gage (RM #5) was established on September 15, 2005. The new reference is a drop tape gage referenced to the top of "C" channel attached to the flood block. DCP was removed and replaced on May 11, 2006.

REMARKS.--Record is complete and reliable except for the following periods: Dec 5-27, 2005; Jan 21-25, 2006; and Feb 11-25, 2006; when ice affected the stage discharge relationship; and, May 9-11, 2006, when the DCP was not functioning. Record fair, except during periods when flows were estimated; and where flows exceed 500 cfs, since such flows are unmeasurable at this location. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--PURHILCO03 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	21	14	25	30	5.3	4.6	.05	17	12	20	164
2	2.4	18	17	18	21	4.3	4.4	0	1.4	7.7	14	159
3	2.2	11	17	18	19	2.5	15	0	57	3.8	30	68
4	1.6	7.2	15	18	17	2.5	15	0	28	5.6	85	34
5	.52	4.8	10	15	17	4.1	15	.58	11	1.9	124	24
6	.07	6.8	10	18	15	5.9	13	1.2	8.2	.07	63	20
7	.10	13	5.0	16	15	4.3	11	.85	5.1	6.7	25	19
8	.17	15	5.0	16	13	5.0	10	.63	2.0	411	108	19
9	.12	9.4	5.0	15	9.2	7.5	12	0	.55	362	88	24
10	.04	8.2	5.0	15	6.1	7.6	12	0	.05	88	53	21
11	.05	12	5.0	17	5.0	8.2	11	0	1.6	408	34	19
12	109	11	5.0	16	5.0	7.5	10	.45	.41	211	40	30
13	73	8.3	10	15	5.0	7.1	9.4	.76	.19	102	20	156
14	51	3.8	5.0	15	5.0	5.9	8.9	.13	.97	57	39	131
15	39	3.9	5.0	18	5.0	6.9	8.3	.08	12	39	163	116
16	35	10	5.0	16	5.0	4.1	7.8	.07	3.5	37	75	58
17	50	12	5.0	15	5.0	5.6	8.1	.32	1.2	28	39	29
18	78	6.6	5.0	18	5.0	3.7	6.1	.34	.05	18	21	21
19	98	9.8	5.0	19	5.0	4.5	6.4	.32	.01	9.1	351	16
20	81	13	10	18	5.0	8.2	6.3	.82	0	3.2	177	14
21	49	16	10	10	5.0	11	6.9	.61	.01	1.1	207	16
22	38	17	10	10	5.0	14	6.7	.03	.64	.11	176	16
23	33	18	15	10	5.0	11	7.2	0	.07	.07	139	16
24	32	17	15	10	5.0	14	4.0	0	0	.03	144	14
25	29	15	15	15	5.0	14	3.0	0	0	.02	105	12
26	27	14	15	17	6.3	15	3.2	0	0	.03	60	13
27	26	17	15	18	5.5	14	3.1	0	84	0	41	13
28	24	15	23	20	8.3	13	1.9	.02	94	.01	37	14
29	25	14	26	27	---	12	1.6	.02	41	72	28	16
30	20	13	24	50	---	11	.92	0	22	88	46	15
31	25	---	23	43	---	7.8	---	33	---	35	116	---
TOTAL	951.77	360.8	354.0	571	257.4 7	247.5	232.82	40.28	391.95	2007.44	2668	1287
MEAN	30.7	12.0	11.4	18.4	9.19	7.98	7.76	1.30	13.1	64.8	86.1	42.9
AC-FT	1890	716	702	1130	511	491	462	80	777	3980	5290	2550
MAX	109	21	26	50	30	15	15	33	94	411	351	164
MIN	.04	3.8	5.0	10	5.0	2.5	.92	0	0	0	14	12

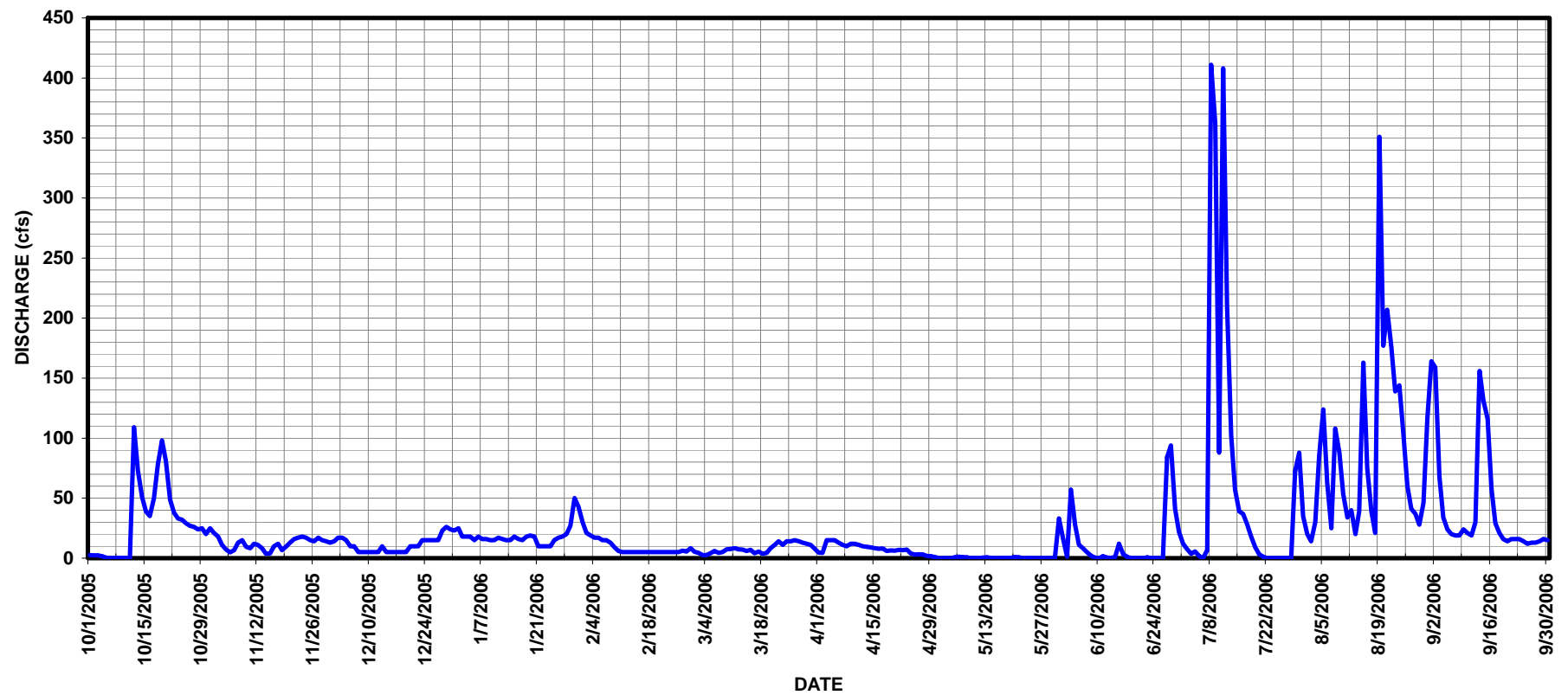
CAL YR	2005	TOTAL	48947.30	MEAN	134.0	MAX	2630	MIN	0	AC-FT	97100
WTR YR	2006	TOTAL	9369.96	MEAN	25.7	MAX	411	MIN	0	AC-FT	18590

MAX DISCH: 3520 CFS AT 22:15 ON Jul. 8, 2006 GH 8.35 FT. SHIFT -0.15 FT.

MAX GH: 8.35 FT. AT 22:15 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

GAGE.--Float-activated graphic water-stage recorder and shaft encoder in small shelter over CMP stilling well. Shaft encoder wired to satellite-monitored data collection platform (Sutron 8210 HDR DCP) in Purgatoire River below Highland Dam gage shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Standard 5-ft steel Parshall flume is the control. Primary reference gage is outside staff gage installed in flume.

REMARKS.--Record is complete and reliable, except for June 22, 2006, when flow overtopped flume and exceeded rating curve. Record good, except where flow overtopped the flume and exceeded the rating curve. Daily flows from Nov. 1, 2005, through April 30, 2006, represent gate leakage returned to the river and not applied to irrigation. Gate repairs should eliminate this problem in the Spring of 2007. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--STD05FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

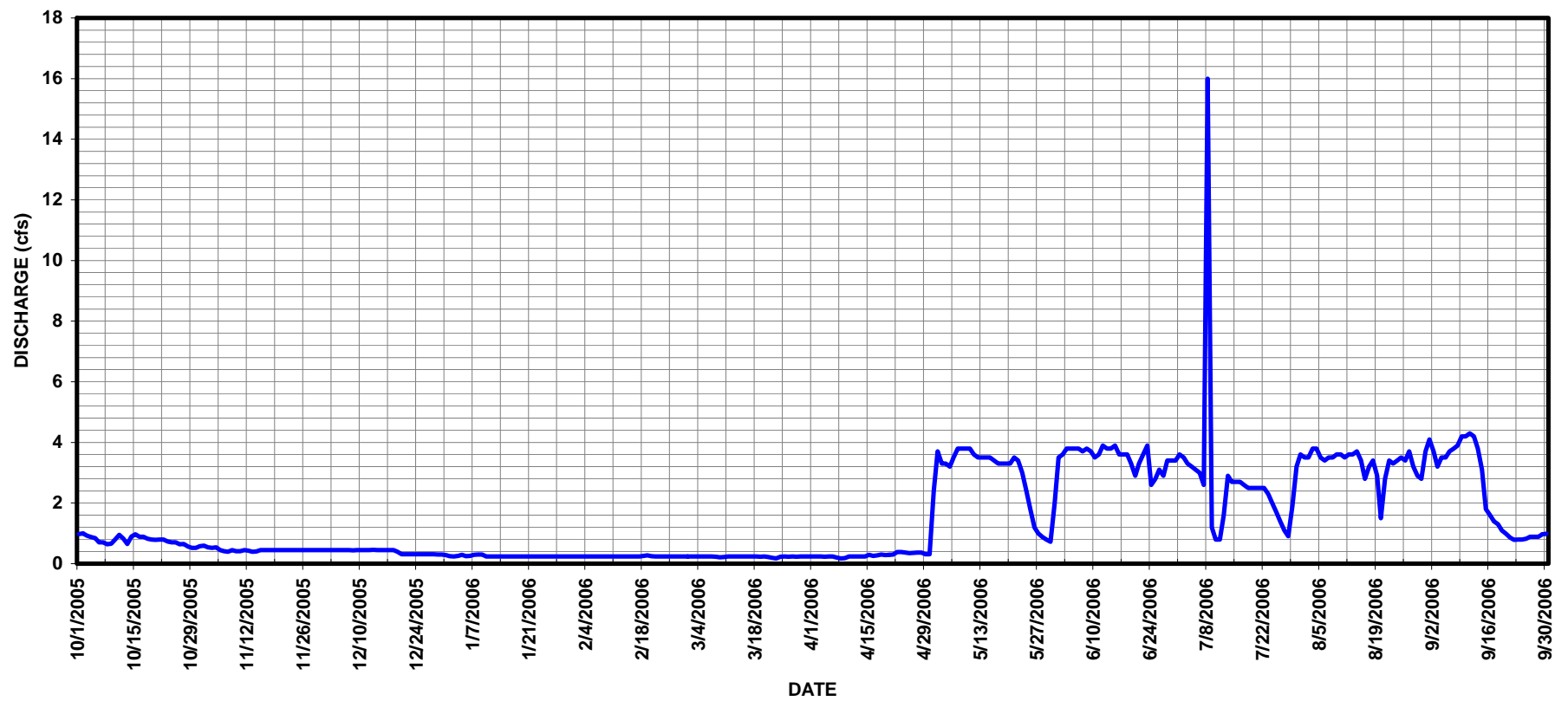
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.98	.59	.45	.25	.24	.24	.24	2.4	3.5	3.6	3.5	4.1
2	1.0	.54	.45	.24	.24	.24	.24	3.7	3.6	3.5	3.5	3.7
3	.92	.52	.45	.26	.24	.24	.24	3.3	3.8	3.3	3.8	3.2
4	.88	.54	.45	.29	.24	.24	.23	3.3	3.8	3.2	3.8	3.5
5	.84	.45	.45	.25	.24	.24	.24	3.2	3.8	3.1	3.5	3.5
6	.70	.41	.45	.26	.24	.24	.24	3.5	3.8	3.0	3.4	3.7
7	.70	.39	.45	.29	.24	.24	.20	3.8	3.7	2.6	3.5	3.8
8	.64	.45	.44	.30	.24	.23	.17	3.8	3.8	16	3.5	3.9
9	.66	.41	.45	.30	.24	.21	.18	3.8	3.7	1.2	3.6	4.2
10	.80	.41	.45	.24	.24	.22	.24	3.8	3.5	.80	3.6	4.2
11	.95	.45	.45	.24	.24	.24	.24	3.6	3.6	.80	3.5	4.3
12	.82	.43	.45	.24	.24	.24	.24	3.5	3.9	1.6	3.6	4.2
13	.65	.39	.46	.24	.24	.24	.24	3.5	3.8	2.9	3.6	3.8
14	.90	.40	.45	.24	.24	.24	.24	3.5	3.8	2.7	3.7	3.1
15	.97	.45	.45	.24	.24	.24	.29	3.5	3.9	2.7	3.4	1.8
16	.89	.45	.45	.24	.24	.24	.26	3.4	3.6	2.7	2.8	1.6
17	.89	.45	.45	.24	.24	.24	.27	3.3	3.6	2.6	3.2	1.4
18	.82	.45	.45	.24	.26	.24	.30	3.3	3.6	2.5	3.4	1.3
19	.80	.45	.39	.24	.27	.23	.28	3.3	3.3	2.5	2.9	1.1
20	.79	.45	.31	.24	.25	.24	.29	3.3	2.9	2.5	1.5	.99
21	.80	.45	.31	.24	.24	.22	.30	3.5	3.3	2.5	2.8	.86
22	.80	.45	.31	.24	.24	.19	.38	3.4	3.6	2.5	3.4	.79
23	.73	.45	.31	.24	.24	.17	.38	3.0	3.9	2.3	3.3	.80
24	.70	.45	.31	.24	.24	.23	.37	2.4	2.6	2.0	3.4	.80
25	.70	.45	.31	.24	.24	.24	.35	1.8	2.8	1.7	3.5	.82
26	.64	.45	.31	.24	.24	.23	.36	1.2	3.1	1.4	3.4	.89
27	.65	.45	.31	.24	.24	.24	.37	1.0	2.9	1.1	3.7	.89
28	.57	.45	.31	.24	.24	.23	.37	.88	3.4	.91	3.2	.89
29	.52	.45	.30	.24	---	.24	.31	.80	3.4	1.9	2.9	.97
30	.52	.45	.30	.24	---	.24	.31	.72	3.4	3.2	2.8	.99
31	.58	---	.28	.24	---	.24	---	2.0	---	3.6	3.7	---
TOTAL	23.81	13.58	12.16	7.72	6.78	7.20	8.37	89.50	105.4	86.91	103.4	70.09
MEAN	.77	.45	.39	.25	.24	.23	.28	2.89	3.51	2.80	3.34	2.34
AC-FT	47	27	24	15	13	14	17	178	209	172	205	139
MAX	1.0	.59	.46	.30	.27	.24	.38	3.8	3.9	16	3.8	4.3
MIN	.52	.39	.28	.24	.24	.17	.17	.72	2.6	.80	1.5	.79

CAL YR	2005	TOTAL	871.38	MEAN	2.40	MAX	75	MIN	0	AC-FT	1700
WTR YR	2006	TOTAL	534.92	MEAN	1.47	MAX	16	MIN	.17	AC-FT	1060

MAX DISCH: 156 CFS AT 20:45 ON Jul. 8, 2006 GH 3.67 FT. SHIFT 0 FT (DATUM CORRECTION -0.03)
MAX GH: 3.67 FT. AT 20:45 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO (COMBINED)

HIGHLAND CANAL near LAS ANIMAS, CO

LOCATION.--Lat 37°54'03", Long 103°17'56" (Hackamore Ranch, CO Quadrangle, Scale 1:24,000), NE1/4, SW1/4, Section 1, T25S, R53W. On the left bank approximately ¼ mile downstream of the Highland Canal Diversion Dam, Bent County, 11 mi southwest of Las Animas, Colorado.

DRAINAGE AREA.--N/A.

REMARKS.--The combined record of discharges was obtained by the addition of Highland Canal daily flows to the corresponding daily flows in the Purgatoire River below Highland Dam. The peak discharge for the water year was 3612 cfs at 2215 on July 8, 2006. Combined record is fair, except during periods of estimated flow and flows greater than 500 cfs, which should be considered poor. Record developed by Div. II Hydrographic Staff.

PURGATOIRE RIVER BELOW HIGHLAND DAM AND HIGHLAND CANAL (COMBINED)

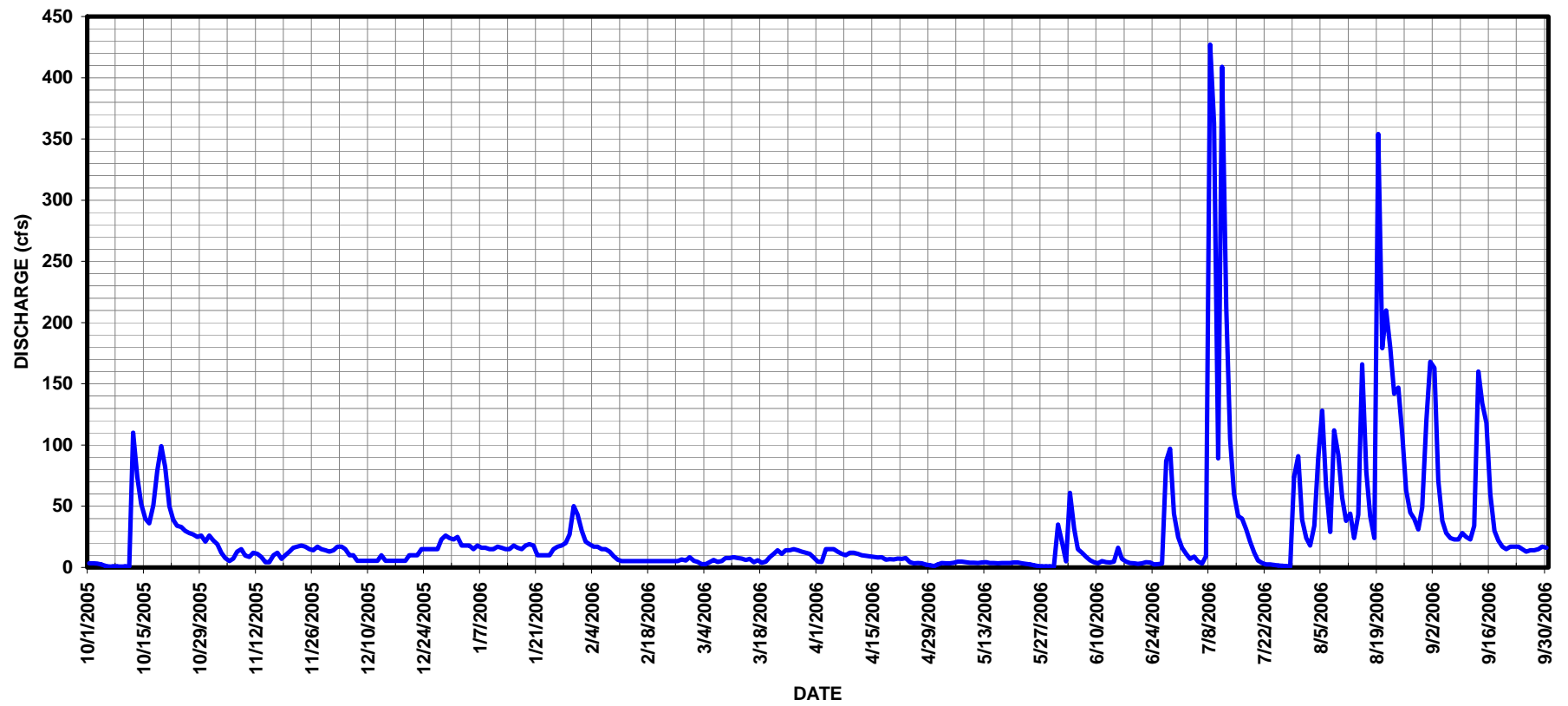
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	22	14	25	30	5.5	4.8	2.4	21	16	24	168
2	3.4	19	17	18	21	4.5	4.6	3.7	5	11	18	163
3	3.1	12	17	18	19	2.7	15	3.3	61	7.1	34	71
4	2.5	7.7	15	18	17	2.7	15	3.3	32	8.8	89	38
5	1.4	5.2	10	15	17	4.3	15	3.8	15	5	128	28
6	.77	7.2	10	18	15	6.1	13	4.7	12	3.1	66	24
7	.8	13	5.4	16	15	4.5	11	4.7	8.8	9.3	29	23
8	.81	15	5.4	16	13	5.2	10	4.4	5.8	427	112	23
9	.78	9.8	5.4	15	9.4	7.7	12	3.8	4.2	363	92	28
10	.84	8.6	5.4	15	6.3	7.8	12	3.8	3.5	89	57	25
11	1	12	5.4	17	5.2	8.4	11	3.6	5.2	409	38	23
12	110	11	5.4	16	5.2	7.7	10	4	4.3	213	44	34
13	74	8.7	10	15	5.2	7.3	9.6	4.3	4	105	24	160
14	52	4.2	5.4	15	5.2	6.1	9.1	3.6	4.8	60	43	134
15	40	4.3	5.4	18	5.2	7.1	8.6	3.6	16	42	166	118
16	36	10	5.4	16	5.2	4.3	8.1	3.5	7.1	40	78	60
17	51	12	5.4	15	5.2	5.8	8.4	3.6	4.8	31	42	30
18	79	7	5.4	18	5.3	3.9	6.4	3.6	3.6	21	24	22
19	99	10	5.4	19	5.3	4.7	6.7	3.6	3.3	12	354	17
20	82	13	10	18	5.2	8.4	6.6	4.1	2.9	5.7	179	15
21	50	16	10	10	5.2	11	7.2	4.1	3.3	3.6	210	17
22	39	17	10	10	5.2	14	7.1	3.4	4.2	2.6	179	17
23	34	18	15	10	5.2	11	7.6	3	4	2.4	142	17
24	33	17	15	10	5.2	14	4.4	2.4	2.6	2	147	15
25	30	15	15	15	5.2	14	3.4	1.8	2.8	1.7	109	13
26	28	14	15	17	6.5	15	3.6	1.2	3.1	1.4	63	14
27	27	17	15	18	5.7	14	3.5	1	87	1.1	45	14
28	25	15	23	20	8.5	13	2.3	.9	97	.92	40	15
29	26	14	26	27	---	12	1.9	.82	44	74	31	17
30	21	13	24	50	---	11	1.2	.72	25	91	49	16
31	26	---	23	43	---	8	---	35	---	39	120	---
TOTAL	980.9	367.7	358.8	571	261.6	251.7	239.1	129.74	497.3	2097.72	2776	1359
MEAN	31.6	12.3	11.6	18	9.3	8.1	8	4.19	16.6	67.7	90	45
AC-FT	1950	729	712	1130	519	499	474	257	986	4160	5510	2700
MAX	110	22	26	50	30	15	15	35	97	427	354	168
MIN	.77	4.2	5.4	10	5.2	2.7	1.2	.72	2.6	.92	18	13
CAL YR	2005	TOTAL	49818.87	MEAN	136.5	MAX	2630	MIN	.51	AC-FT	98800	
WTR YR	2006	TOTAL	9890.56	MEAN	27.1	MAX	427	MIN	.72	AC-FT	19620	

MAX. DISCHARGE: 3612 CFS AT 22:15 ON JUL 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS CO (COMBINED)
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO

LOCATION.-- Latitude 37° 45' 46", Longitude 103° 14' 36" (Toonerville, Colorado quadrangle, 1:24000 scale) in the SE¼ SE¼ Sec.21, T26S, R52W, Bent County on the north bridge abutment where CR 11 crosses Muddy Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAGE.--Sutron SatLink-2 satellite-monitored data collection platform (DCP) and shaft encoder sheltered in a steel "half shelter" on a 24-inch CMP stilling well. The shaft encoder is referenced to a drop tape from an "I" beam on a rail along the bridge. Elev. of gage is approximately 4,230 ft (from topographic map).

REMARKS.--The record is complete but not reliable. Muddy Creek is an ephemeral stream and flows are generally short duration spikes due to rainfall-runoff events. During WY006 there was a lack of measurements, lack of field verification of low flows, mud in stilling well, lack of good precipitation data, and questions about field conditions, all contributing to record reliability questions. During part of WY2006, an earthen embankment was built across the river channel, immediately downstream of the gage, as a bridge-bypass for a trailer that exceeded the bridge weight limit. The embankment likely caused backwater conditions at the gage during part of the year; however, the time when it was removed or washed out is unknown. CoCoRaHS precipitation data were obtained for surrounding Bent and Las Animas Counties and used to evaluate spikes in gage height. However, rainfall data were not available at the site, with the closest being approximately 25 miles away. Rainfall correlation lengths are likely much shorter than 25 miles, especially for summer convective thunderstorms. Record is rated poor. Station maintained by A. Adame and record developed by Mark Perry.

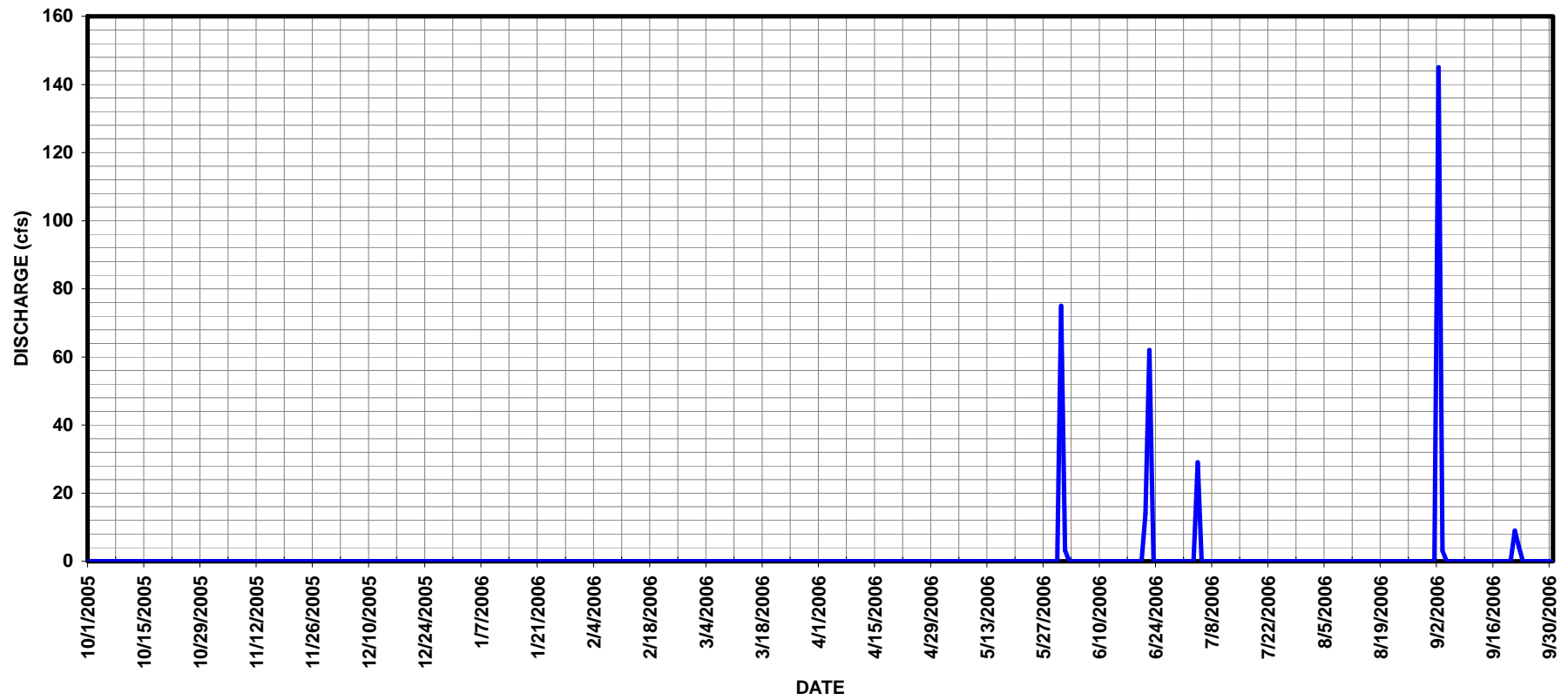
RATING TABLE.--MUDTOOCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.2	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	145
3	0	0	0	0	0	0	0	0	0	0	0	3.1
4	0	0	0	0	0	0	0	0	0	29	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	14	0	0	9.0
22	0	0	0	0	0	0	0	0	62	0	0	4.4
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	75	---	0	0	---
TOTAL	0	0	0	0	0	0	0	75	79.2	29	0	161.5
MEAN	0	0	0	0	0	0	0	2.42	2.64	.94	0	5.38
AC-FT	0	0	0	0	0	0	0	149	157	58	0	320
MAX	0	0	0	0	0	0	0	75	62	29	0	145
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2005 TOTAL 181.2 MEAN 0.50 MAX 89 MIN 0 AC-FT 400
WTR YR 2006 TOTAL 344.7 MEAN .94 MAX 145 MIN 0 AC-FT 684
MAX DISCH: 617 CFS AT 08:30 ON May. 31, 2006 GH 8.28 FT. SHIFT -0.79 FT.
MAX GH: 8.28 FT. AT 08:30 ON May. 31, 2006

MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE CO
WY2006 HYDROGRAPH



ARKANSAS RIVER BASIN

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO

LOCATION.-- Latitude 37° 49' 12", Longitude 103° 10' 55" (Toonerville, Colorado quadrangle, 1:24000 scale) in the NW¼ Sec.6, T26S, R51W, Bent County on the downstream side of a bridge abutment at the crossing of Highway 101 and Rule Creek approximately 920 feet below the confluence of Muddy and Rule Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--Undetermined. The gage was established in the 1970's. It is unknown at this time how long the station was operated before it was abandoned. The station was reopened in the October of 2004 utilizing the existing stilling well.

GAGE.--High data rate Sutron SatLink 2 DCP and Sutron Accububble mounted on the north side of the Highway 101 bridge over Rule Creek. The Accububble was installed June 23, 2006, replacing an old shaft encoder and stilling well. Primary record is satellite-monitored data with satellite data used for backup purposes. A drop tape from the bridge is used as the reference gage. Elevation of gage is approximately 4,120 ft above mean sea level from topographic map.

REMARKS.--Gage height record is incomplete for WY2006. Prior to June 23, 2006, there were no gage height data due to mud and silt in the stilling well. From June 23, 2006, through the end of the water year there are Accububble gage data. Record is rated poor due to a lack of measurements made this water year and lack of field verification of the theoretical rating. In WY2007, the muffler on the Accububbler orifice line will be moved in order to obtain better low flow measurements, and a staff gage will be installed, as wind makes the current drop tape reference gage unreliable. Every attempt will be made to make more flow measurements; however, the flashy nature and remote location of the gage make it extremely difficult. Station maintained by A. Adame and record developed by Mark Perry.

RATING TABLE.--RULTOOCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

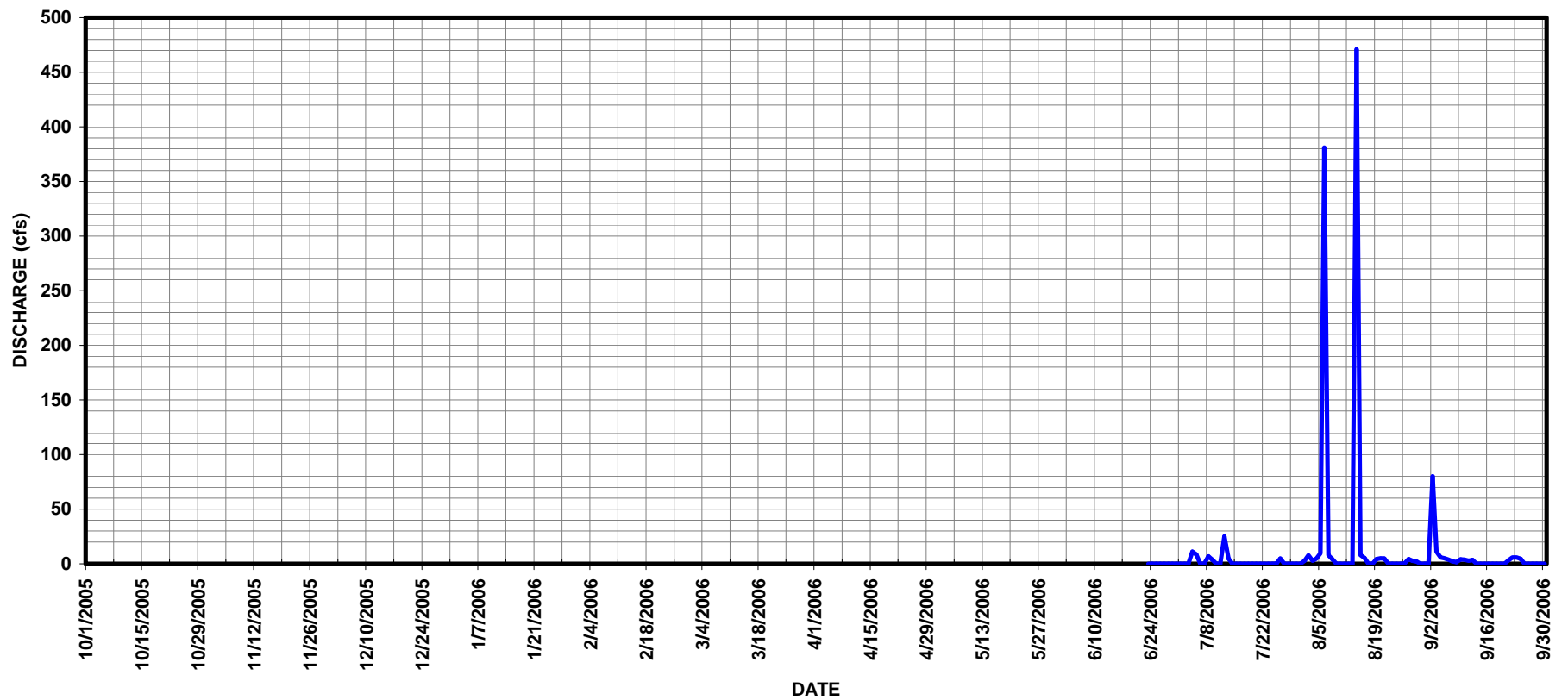
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	0	2.7	.33
2	---	---	---	---	---	---	---	---	---	0	7.8	80
3	---	---	---	---	---	---	---	---	---	0	2.9	11
4	---	---	---	---	---	---	---	---	---	11	4.7	5.9
5	---	---	---	---	---	---	---	---	---	8.5	9.5	5.0
6	---	---	---	---	---	---	---	---	---	0	381	3.8
7	---	---	---	---	---	---	---	---	---	0	7.9	2.3
8	---	---	---	---	---	---	---	---	---	6.8	4.4	1.4
9	---	---	---	---	---	---	---	---	---	3.9	0	4.1
10	---	---	---	---	---	---	---	---	---	0	0	3.8
11	---	---	---	---	---	---	---	---	---	0	0	2.8
12	---	---	---	---	---	---	---	---	---	25	0	3.6
13	---	---	---	---	---	---	---	---	---	4.8	0	0
14	---	---	---	---	---	---	---	---	---	0	471	0
15	---	---	---	---	---	---	---	---	---	0	8.2	0
16	---	---	---	---	---	---	---	---	---	0	5.4	0
17	---	---	---	---	---	---	---	---	---	0	0	0
18	---	---	---	---	---	---	---	---	---	0	0	0
19	---	---	---	---	---	---	---	---	---	0	4.3	0
20	---	---	---	---	---	---	---	---	---	0	5.0	0
21	---	---	---	---	---	---	---	---	---	0	4.8	3.3
22	---	---	---	---	---	---	---	---	---	0	0	5.9
23	---	---	---	---	---	---	---	---	0	0	0	5.8
24	---	---	---	---	---	---	---	---	0	0	0	4.5
25	---	---	---	---	---	---	---	---	0	.17	0	0
26	---	---	---	---	---	---	---	---	0	4.9	.30	0
27	---	---	---	---	---	---	---	---	0	0	4.4	0
28	---	---	---	---	---	---	---	---	0	0	2.9	0
29	---	---	---	---	---	---	---	---	0	0	1.9	0
30	---	---	---	---	---	---	---	---	0	0	0	0
31	---	---	---	---	---	---	---	---	---	0	0	---
TOTAL	---	---	---	---	---	---	---	---	0	65.07	929.10	143.53
MEAN	---	---	---	---	---	---	---	---	0	2.10	30.0	4.78
AC-FT	---	---	---	---	---	---	---	---	0	129	1840	285
MAX	---	---	---	---	---	---	---	---	0	25	471	80
MIN	---	---	---	---	---	---	---	---	0	0	0	0

CAL YR	2005	TOTAL	---	MEAN	---	MAX	---	MIN	---	AC-FT	---
WTR YR	2006	TOTAL	1137.7	MEAN	3.32	MAX	471	MIN	0	AC-FT	2260 (PARTIAL YEAR RECORD)

MAX DISCH: 2010 CFS AT 03:00 ON Aug. 14, 2006 GH 10.41 FT. SHIFT 0 FT.

MAX GH: 10.41 FT. AT 03:00 ON Aug. 14, 2006

RULE CREEK AT HWY 101 NEAR TOONERVILLE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09061500 COLUMBINE DITCH NEAR FREMONT PASS, CO.

LOCATION.--Lat 39°22'25", long 106°13'38". Columbine ditch diverts water from tributaries of Eagle River in sec. 5, T.8 S., R. 79 W., in Colorado River basin to Chalk Creek (tributary to East Fork Arkansas River) in NW¼ sec. 9, T.8 S., R 79 W., in Arkansas River basin.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot steel Parshall flume.

REMARKS.-- Record is complete and reliable, except for the following days: May 19, 24, 29-31, 2006 when ice affected the stage-discharge relationship. Record good, except for periods of ice-affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--COLDITC001 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

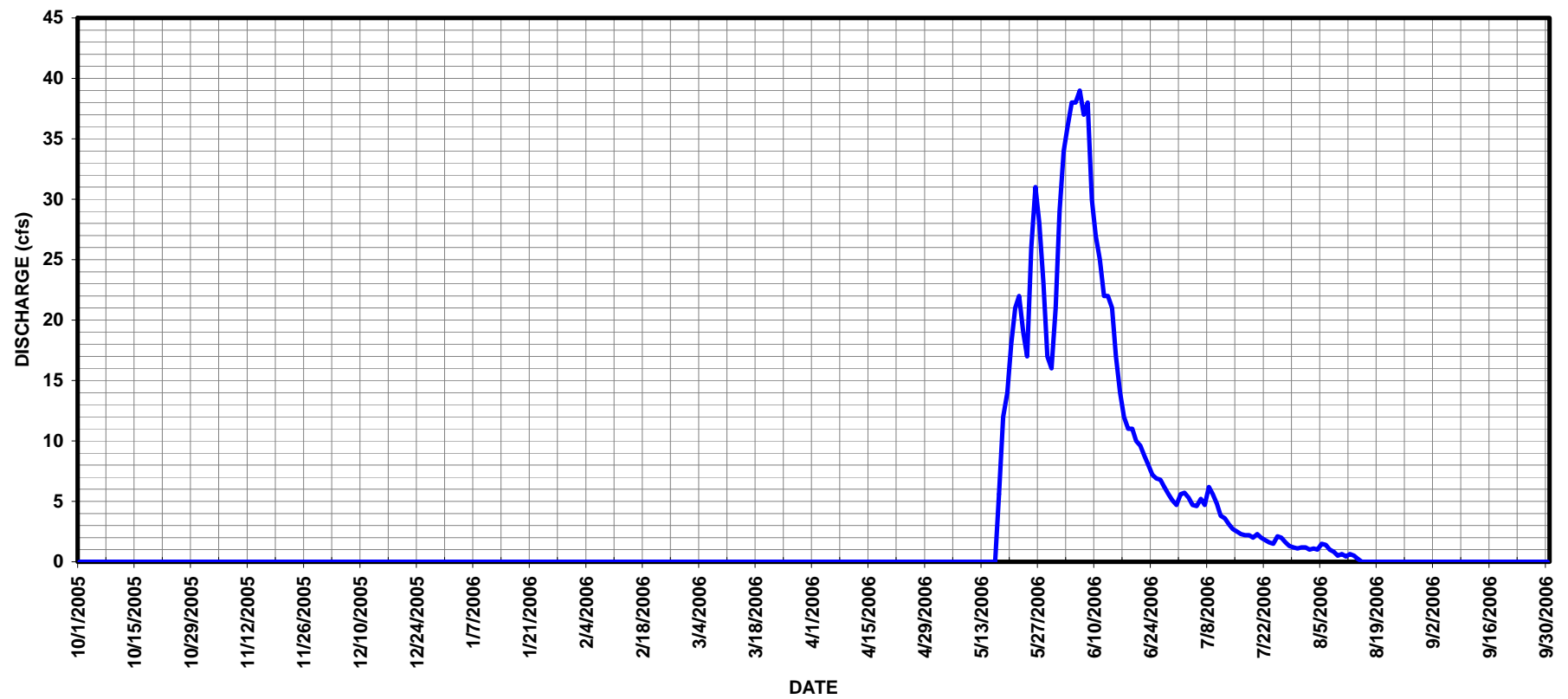
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	29	5.6	1.2	0
2	0	0	0	0	0	0	0	0	34	5.7	1.0	0
3	0	0	0	0	0	0	0	0	36	5.3	1.1	0
4	0	0	0	0	0	0	0	0	38	4.7	1.0	0
5	0	0	0	0	0	0	0	0	38	4.6	1.5	0
6	0	0	0	0	0	0	0	0	39	5.2	1.4	0
7	0	0	0	0	0	0	0	0	37	4.7	1.0	0
8	0	0	0	0	0	0	0	0	38	6.2	.83	0
9	0	0	0	0	0	0	0	0	30	5.6	.51	0
10	0	0	0	0	0	0	0	0	27	4.8	.64	0
11	0	0	0	0	0	0	0	0	25	3.8	.43	0
12	0	0	0	0	0	0	0	0	22	3.6	.64	0
13	0	0	0	0	0	0	0	0	22	3.1	.51	0
14	0	0	0	0	0	0	0	0	21	2.7	.22	0
15	0	0	0	0	0	0	0	0	17	2.5	0	0
16	0	0	0	0	0	0	0	0	14	2.3	0	0
17	0	0	0	0	0	0	0	5.6	12	2.2	0	0
18	0	0	0	0	0	0	0	12	11	2.2	0	0
19	0	0	0	0	0	0	0	14	11	2.0	0	0
20	0	0	0	0	0	0	0	18	10	2.3	0	0
21	0	0	0	0	0	0	0	21	9.6	2.0	0	0
22	0	0	0	0	0	0	0	22	8.8	1.8	0	0
23	0	0	0	0	0	0	0	19	8.0	1.6	0	0
24	0	0	0	0	0	0	0	17	7.2	1.5	0	0
25	0	0	0	0	0	0	0	26	6.9	2.1	0	0
26	0	0	0	0	0	0	0	31	6.8	2.0	0	0
27	0	0	0	0	0	0	0	28	6.2	1.6	0	0
28	0	0	0	0	0	0	0	23	5.6	1.3	0	0
29	0	0	0	0	---	0	0	17	5.1	1.2	0	0
30	0	0	0	0	---	0	0	16	4.7	1.1	0	0
31	0	---	0	0	---	0	---	21	---	1.2	0	---
TOTAL	0	0	0	0	0	0	0	290.6	579.9	96.5	11.98	0
MEAN	0	0	0	0	0	0	0	9.37	19.3	3.11	.39	0
AC-FT	0	0	0	0	0	0	0	576	1150	191	24	0
MAX	0	0	0	0	0	0	0	31	39	6.2	1.5	0
MIN	0	0	0	0	0	0	0	0	4.7	1.1	0	0

CAL YR	2005	TOTAL	771.14	MEAN	2.11	MAX	25	MIN	0	AC-FT	1210
WTR YR	2006	TOTAL	978.98	MEAN	2.68	MAX	39	MIN	0	AC-FT	1940

MAX DISCH: 73.7 CFS AT 17:45 ON Jun. 8, 2006 GH 1.99 FT. SHIFT 0.03 FT.
MAX GH: 1.99 FT. AT 17:45 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09061500 COLUMBINE DITCH NEAR FREMONT PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062000 EWING DITCH AT TENNESSEE PASS, CO

LOCATION.--Lat 39°21'40", long 106°18'22", diverts water from Piney Creek in sec. 11, T.8 S., R.80 W., in Eagle River basin, to Thayer Gulch (tributary to Tennessee Creek) in sec. 11, T. 8 S., R.80 W., in Arkansas River basin

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 4-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the following days when the stage- discharge relationship was affected by ice in the flume: Apr. 26-30; May 1, 11, 2006. Record good, except for periods of ice effects, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD04FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

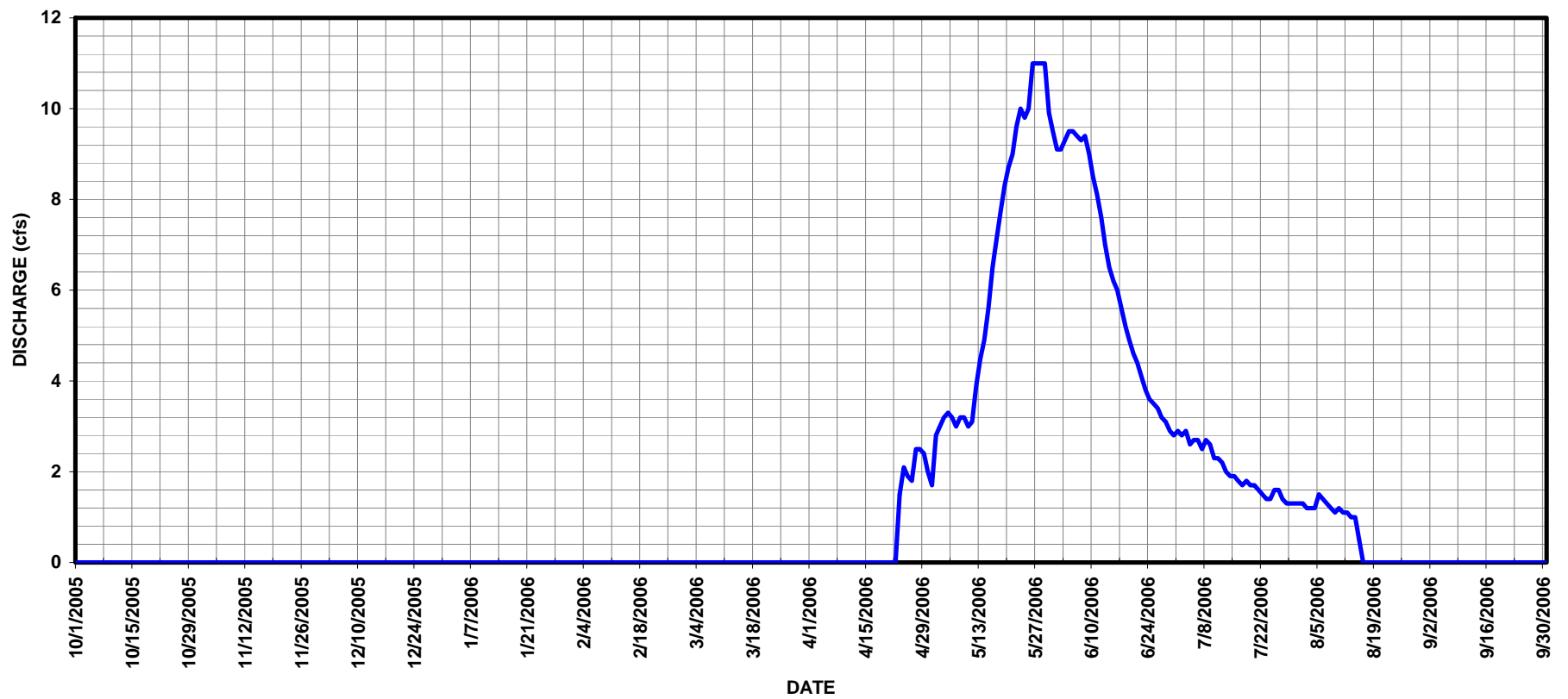
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	1.7	9.1	2.9	1.3	0
2	0	0	0	0	0	0	0	2.8	9.1	2.8	1.2	0
3	0	0	0	0	0	0	0	3.0	9.3	2.9	1.2	0
4	0	0	0	0	0	0	0	3.2	9.5	2.6	1.2	0
5	0	0	0	0	0	0	0	3.3	9.5	2.7	1.5	0
6	0	0	0	0	0	0	0	3.2	9.4	2.7	1.4	0
7	0	0	0	0	0	0	0	3.0	9.3	2.5	1.3	0
8	0	0	0	0	0	0	0	3.2	9.4	2.7	1.2	0
9	0	0	0	0	0	0	0	3.2	9.0	2.6	1.1	0
10	0	0	0	0	0	0	0	3.0	8.5	2.3	1.2	0
11	0	0	0	0	0	0	0	3.1	8.1	2.3	1.1	0
12	0	0	0	0	0	0	0	3.9	7.6	2.2	1.1	0
13	0	0	0	0	0	0	0	4.5	7.0	2.0	1.0	0
14	0	0	0	0	0	0	0	4.9	6.5	1.9	1.0	0
15	0	0	0	0	0	0	0	5.6	6.2	1.9	.51	0
16	0	0	0	0	0	0	0	6.5	6.0	1.8	0	0
17	0	0	0	0	0	0	0	7.1	5.6	1.7	0	0
18	0	0	0	0	0	0	0	7.7	5.2	1.8	0	0
19	0	0	0	0	0	0	0	8.3	4.9	1.7	0	0
20	0	0	0	0	0	0	0	8.7	4.6	1.7	0	0
21	0	0	0	0	0	0	0	9.0	4.4	1.6	0	0
22	0	0	0	0	0	0	0	9.6	4.1	1.5	0	0
23	0	0	0	0	0	0	1.5	10	3.8	1.4	0	0
24	0	0	0	0	0	0	2.1	9.8	3.6	1.4	0	0
25	0	0	0	0	0	0	1.9	10	3.5	1.6	0	0
26	0	0	0	0	0	0	1.8	11	3.4	1.6	0	0
27	0	0	0	0	0	0	2.5	11	3.2	1.4	0	0
28	0	0	0	0	0	0	2.5	11	3.1	1.3	0	0
29	0	0	0	0	---	0	2.4	11	2.9	1.3	0	0
30	0	0	0	0	---	0	2.0	9.9	2.8	1.3	0	0
31	0	---	0	0	---	0	---	9.5	---	1.3	0	---
TOTAL	0	0	0	0	0	0	16.7	201.7	188.6	61.4	17.31	0
MEAN	0	0	0	0	0	0	.56	6.51	6.29	1.98	.56	0
AC-FT	0	0	0	0	0	0	33	400	374	122	34	0
MAX	0	0	0	0	0	0	2.5	11	9.5	2.9	1.5	0
MIN	0	0	0	0	0	0	0	1.7	2.8	1.3	0	0

CAL YR	2005	TOTAL	395.38	MEAN	1.08	MAX	9.2	MIN	0	AC-FT	784
WTR YR	2006	TOTAL	485.71	MEAN	1.33	MAX	11	MIN	0	AC-FT	963

MAX DISCH: 11.9 CFS AT 20:30 ON May. 22, 2006 GH 0.87 FT. SHIFT -0.04 FT.
MAX GH: 0.87 FT. AT 20:30 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09062000 EWING DITCH AT TENNESSEE PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09062500 WURTZ DITCH NEAR TENNESSEE PASS, CO

LOCATION.--Lat 39°21'15", long 106°21'09"; diverts water from tributaries of Eagle River in Colorado River basin to West Tennessee Creek (tributary to Tennessee Creek) in sec. 17, T.8 S., R.80 W., in Arkansas River basin.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP and logger) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable, except for the following periods: Apr. 28-30; May 1, 11, 2006 when the stage was ice-affected. Record good, except for those periods of ice affected record, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WURDITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

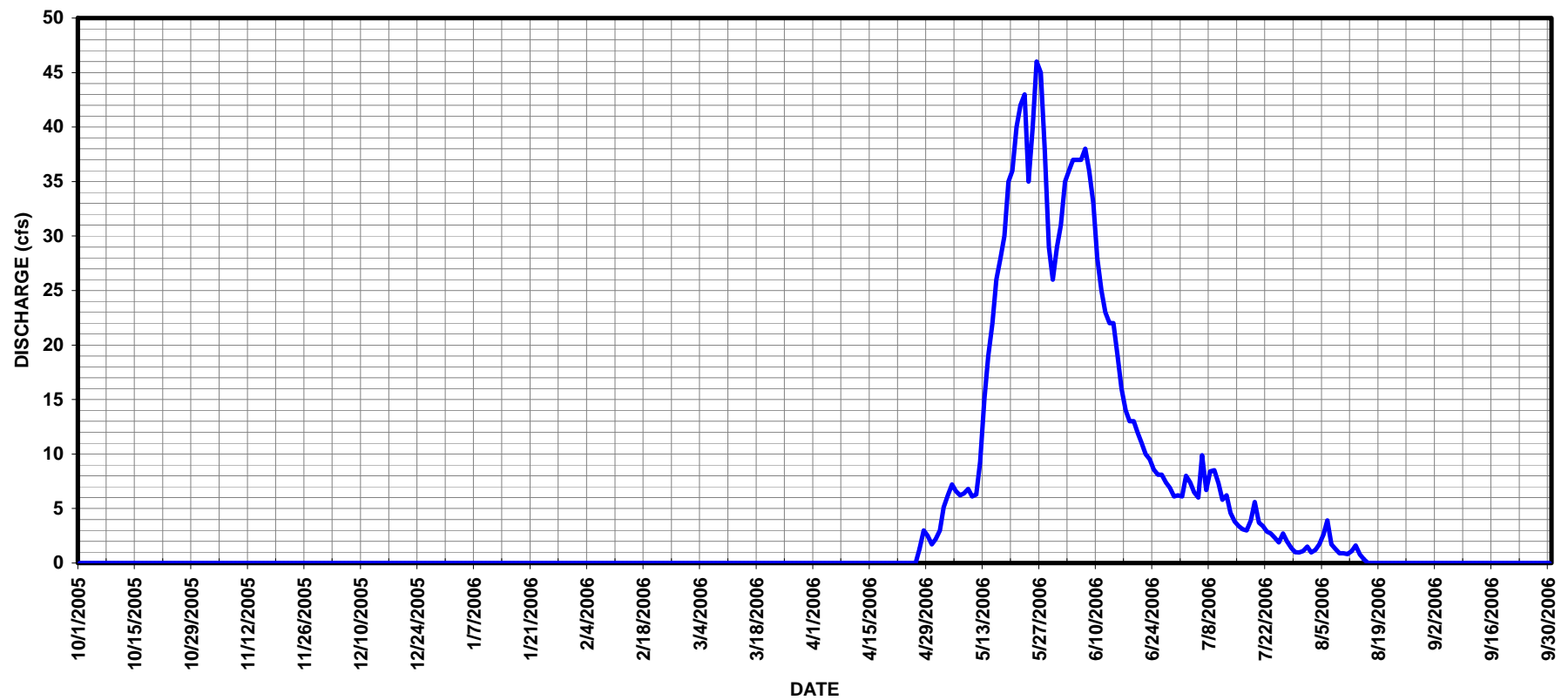
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.2	31	6.1	1.5	0
2	0	0	0	0	0	0	0	3.0	35	8.0	.98	0
3	0	0	0	0	0	0	0	5.1	36	7.4	1.2	0
4	0	0	0	0	0	0	0	6.2	37	6.5	1.7	0
5	0	0	0	0	0	0	0	7.2	37	6.0	2.6	0
6	0	0	0	0	0	0	0	6.6	37	9.9	3.9	0
7	0	0	0	0	0	0	0	6.2	38	6.7	1.7	0
8	0	0	0	0	0	0	0	6.4	36	8.4	1.3	0
9	0	0	0	0	0	0	0	6.8	33	8.5	.90	0
10	0	0	0	0	0	0	0	6.1	28	7.3	.89	0
11	0	0	0	0	0	0	0	6.3	25	5.8	.83	0
12	0	0	0	0	0	0	0	9.3	23	6.2	1.1	0
13	0	0	0	0	0	0	0	15	22	4.6	1.6	0
14	0	0	0	0	0	0	0	19	22	3.8	.78	0
15	0	0	0	0	0	0	0	22	19	3.4	.36	0
16	0	0	0	0	0	0	0	26	16	3.1	0	0
17	0	0	0	0	0	0	0	28	14	3.0	0	0
18	0	0	0	0	0	0	0	30	13	3.9	0	0
19	0	0	0	0	0	0	0	35	13	5.6	0	0
20	0	0	0	0	0	0	0	36	12	3.7	0	0
21	0	0	0	0	0	0	0	40	11	3.4	0	0
22	0	0	0	0	0	0	0	42	10	2.9	0	0
23	0	0	0	0	0	0	0	43	9.5	2.7	0	0
24	0	0	0	0	0	0	0	35	8.6	2.3	0	0
25	0	0	0	0	0	0	0	40	8.1	1.9	0	0
26	0	0	0	0	0	0	0	46	8.1	2.7	0	0
27	0	0	0	0	0	0	1.3	45	7.4	2.0	0	0
28	0	0	0	0	0	0	3.0	38	6.9	1.4	0	0
29	0	0	0	0	---	0	2.5	29	6.1	1.0	0	0
30	0	0	0	0	---	0	1.7	26	6.2	.98	0	0
31	0	---	0	0	---	0	---	29	---	1.1	0	---
TOTAL	0	0	0	0	0	0	8.5	695.4	608.9	140.28	21.34	0
MEAN	0	0	0	0	0	0	.28	22.4	20.3	4.53	.69	0
AC-FT	0	0	0	0	0	0	17	1380	1210	278	42	0
MAX	0	0	0	0	0	0	3.0	46	38	9.9	3.9	0
MIN	0	0	0	0	0	0	0	2.2	6.1	.98	0	0

CAL YR	2005	TOTAL	1158.54	MEAN	3.17	MAX	43	MIN	0	AC-FT	2300
WTR YR	2006	TOTAL	1474.42	MEAN	4.04	MAX	46	MIN	0	AC-FT	2920

MAX DISCH: 61.8 CFS AT 21:00 ON May. 26, 2006 GH 1.76 FT. SHIFT 0.05 FT.
MAX GH: 1.76 FT. AT 21:00 ON May. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09062500 WURTZ DITCH NEAR TENNESSEE PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE, CO

LOCATION.--Lat 39°23'41", long 106°21'10", sec. 32, T.7 S., R.80 W., Eagle County.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink HDR DCP) and shaft encoder in a 30" diameter metal pipe shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 6-foot, steel Parshall flume. Control is a 6-foot steel Parshall flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--WUREXDCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

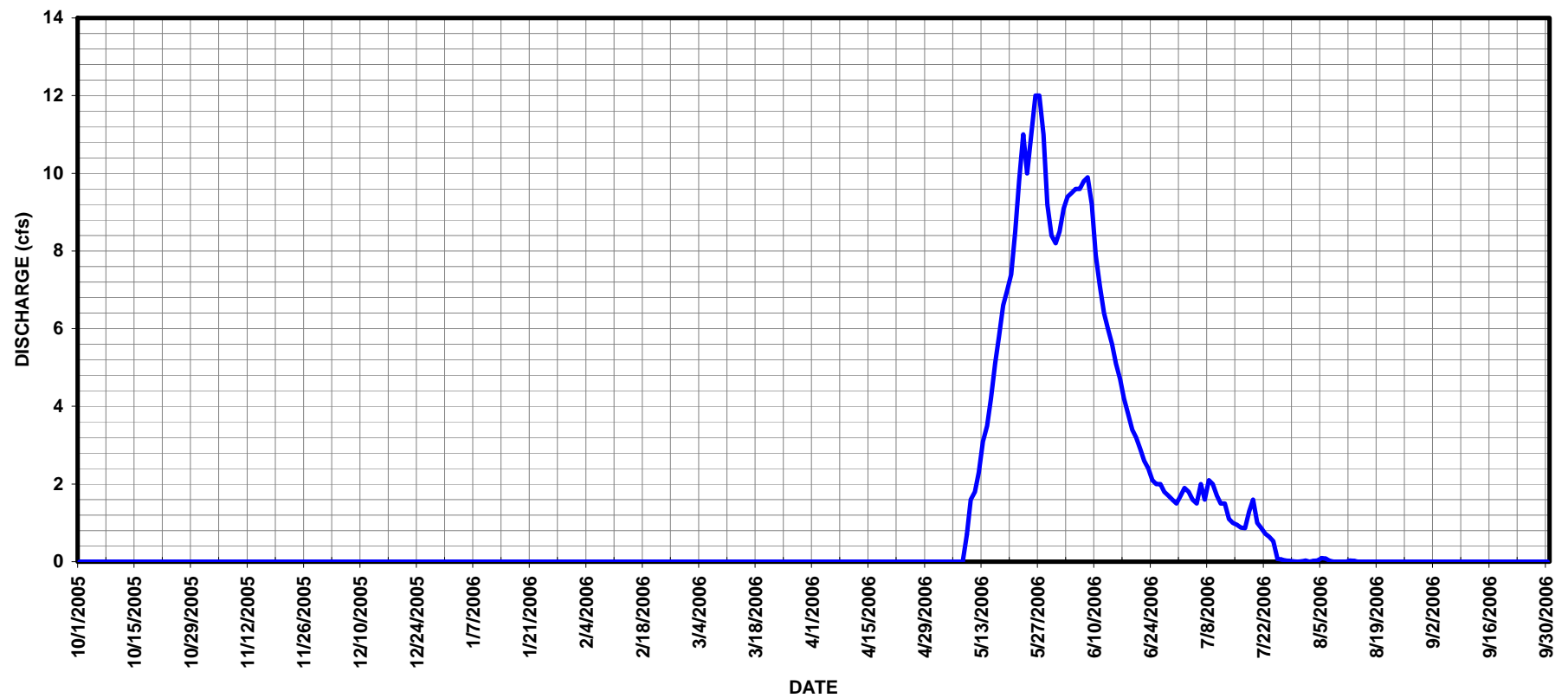
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	8.5	1.7	.03	0
2	0	0	0	0	0	0	0	0	9.1	1.9	0	0
3	0	0	0	0	0	0	0	0	9.4	1.8	.02	0
4	0	0	0	0	0	0	0	0	9.5	1.6	.03	0
5	0	0	0	0	0	0	0	0	9.6	1.5	.09	0
6	0	0	0	0	0	0	0	0	9.6	2.0	.08	0
7	0	0	0	0	0	0	0	0	9.8	1.6	.02	0
8	0	0	0	0	0	0	0	0	9.9	2.1	0	0
9	0	0	0	0	0	0	0	.70	9.2	2.0	0	0
10	0	0	0	0	0	0	0	1.6	7.9	1.7	0	0
11	0	0	0	0	0	0	0	1.8	7.1	1.5	0	0
12	0	0	0	0	0	0	0	2.3	6.4	1.5	.03	0
13	0	0	0	0	0	0	0	3.1	6.0	1.1	.02	0
14	0	0	0	0	0	0	0	3.5	5.6	1.0	0	0
15	0	0	0	0	0	0	0	4.2	5.1	.95	0	0
16	0	0	0	0	0	0	0	5.1	4.7	.88	0	0
17	0	0	0	0	0	0	0	5.8	4.2	.86	0	0
18	0	0	0	0	0	0	0	6.6	3.8	1.3	0	0
19	0	0	0	0	0	0	0	7.0	3.4	1.6	0	0
20	0	0	0	0	0	0	0	7.4	3.2	1.0	0	0
21	0	0	0	0	0	0	0	8.5	2.9	.87	0	0
22	0	0	0	0	0	0	0	9.8	2.6	.72	0	0
23	0	0	0	0	0	0	0	11	2.4	.64	0	0
24	0	0	0	0	0	0	0	10	2.1	.53	0	0
25	0	0	0	0	0	0	0	11	2.0	.07	0	0
26	0	0	0	0	0	0	0	12	2.0	.06	0	0
27	0	0	0	0	0	0	0	12	1.8	.03	0	0
28	0	0	0	0	0	0	0	11	1.7	.02	0	0
29	0	0	0	0	---	0	0	9.2	1.6	.01	0	0
30	0	0	0	0	---	0	0	8.4	1.5	0	0	0
31	0	---	0	0	---	0	---	8.2	---	.01	0	---
TOTAL	0	0	0	0	0	0	0	160.20	162.6	32.55	.32	0
MEAN	0	0	0	0	0	0	0	5.17	5.42	1.05	.010	0
AC-FT	0	0	0	0	0	0	0	318	323	65	.6	0
MAX	0	0	0	0	0	0	0	12	9.9	2.1	.09	0
MIN	0	0	0	0	0	0	0	0	1.5	0	0	0

CAL YR	2005	TOTAL	265.1	MEAN	.73	MAX	8.9	MIN	0	AC-FT	526
WTR YR	2006	TOTAL	355.67	MEAN	.97	MAX	12	MIN	0	AC-FT	705

MAX DISCH: 16.2 CFS AT 19:15 ON May. 26, 2006 GH 0.79 FT. SHIFT -0.01 FT.
MAX GH: 0.79 FT. AT 19:15 ON May. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WURTZ DITCH EXTENSION AT TENNESSEE PASS NEAR LEADVILLE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK, CO

LOCATION.--Lat 39°16'52", long 106°25'56"; Homestake tunnel diverts water from Homestake Lake, in sec. 17, T. 8 S., R. 81 W., in Eagle River basin, to Lake Fork Creek in Arkansas River basin.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 4 ft x 4 ft wood shelter and concrete well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside electric tape gage. Control is a 12-foot concrete Parshall flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--HOMTUNCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

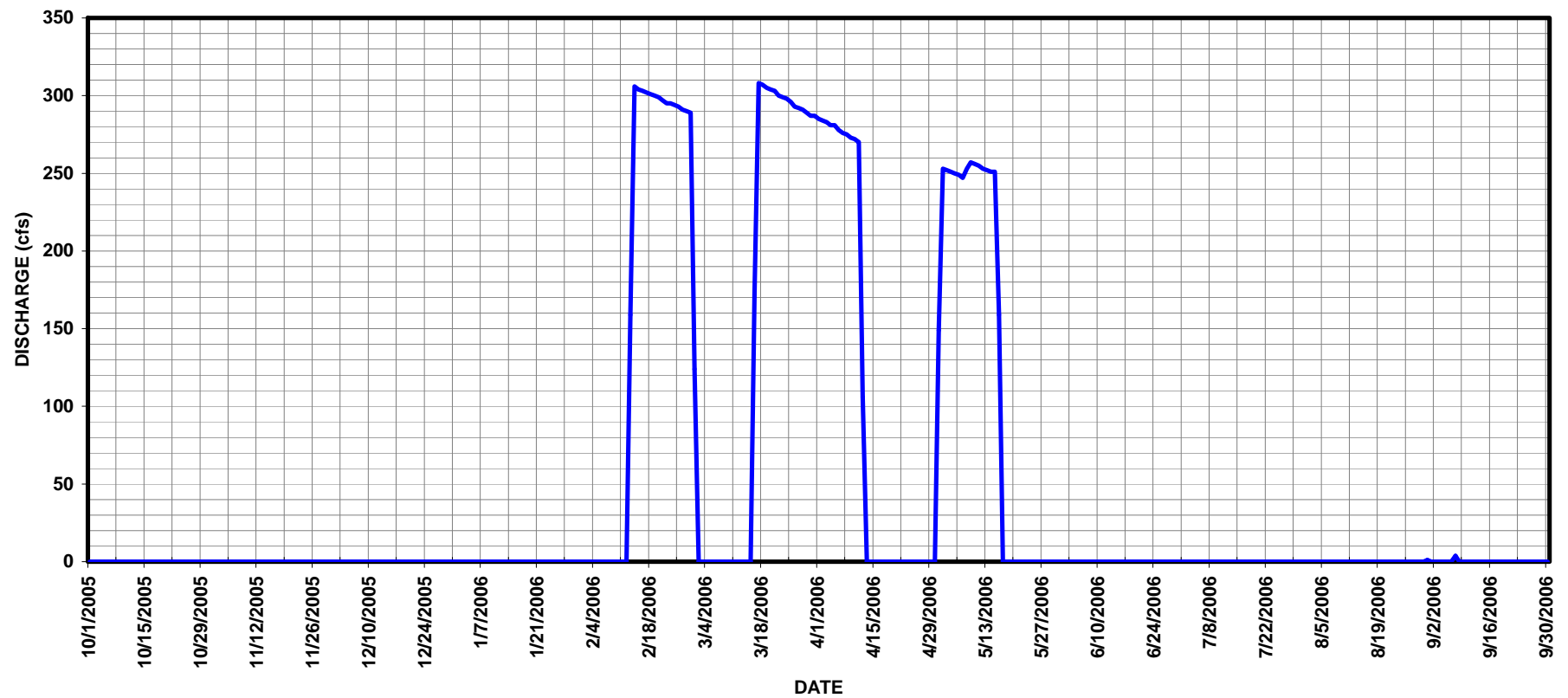
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	124	285	149	0	0	0	0
2	0	0	0	0	0	0	284	253	0	0	0	0
3	0	0	0	0	0	0	283	252	0	0	0	0
4	0	0	0	0	0	0	281	251	0	0	0	0
5	0	0	0	0	0	0	281	250	0	0	0	0
6	0	0	0	0	0	0	278	249	0	0	0	0
7	0	0	0	0	0	0	276	247	0	0	0	3.7
8	0	0	0	0	0	0	275	253	0	0	0	0
9	0	0	0	0	0	0	273	257	0	0	0	0
10	0	0	0	0	0	0	272	256	0	0	0	0
11	0	0	0	0	0	0	270	255	0	0	0	0
12	0	0	0	0	0	0	106	253	0	0	0	0
13	0	0	0	0	159	0	0	252	0	0	0	0
14	0	0	0	0	306	0	0	251	0	0	0	0
15	0	0	0	0	304	0	0	251	0	0	0	0
16	0	0	0	0	303	172	0	159	0	0	0	0
17	0	0	0	0	302	308	0	0	0	0	0	0
18	0	0	0	0	301	307	0	0	0	0	0	0
19	0	0	0	0	300	305	0	0	0	0	0	0
20	0	0	0	0	299	304	0	0	0	0	0	0
21	0	0	0	0	297	303	0	0	0	0	0	0
22	0	0	0	0	295	300	0	0	0	0	0	0
23	0	0	0	0	295	299	0	0	0	0	0	0
24	0	0	0	0	294	298	0	0	0	0	0	0
25	0	0	0	0	293	296	0	0	0	0	0	0
26	0	0	0	0	291	293	0	0	0	0	0	0
27	0	0	0	0	290	292	0	0	0	0	0	0
28	0	0	0	0	289	291	0	0	0	0	0	0
29	0	0	0	0	---	289	0	0	0	0	0	0
30	0	0	0	0	---	287	0	0	0	0	0	0
31	0	---	0	0	---	287	---	0	---	0	1.1	---
TOTAL	0	0	0	0	4618	4755	3164	3838	0	0	1.1	3.7
MEAN	0	0	0	0	165	153	105	124	0	0	.035	.12
AC-FT	0	0	0	0	9160	9430	6280	7610	0	0	2.2	7.3
MAX	0	0	0	0	306	308	285	257	0	0	1.1	3.7
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	12023.6	MEAN	32.9	MAX	315	MIN	0	AC-FT	23850
WTR YR	2006	TOTAL	16379.8	MEAN	44.9	MAX	308	MIN	0	AC-FT	32490

MAX DISCH: 440 CFS AT 12:45 ON Apr. 5, 2006 GH 3.98 FT. SHIFT 0.08 FT.
MAX GH: 3.98 FT. AT 12:45 ON Apr. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09063700 HOMESTAKE TUNNEL NEAR GOLD PARK CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE, CO

LOCATION.--Lat 39°16'40", long 106°25'40"; Charles H. Boustead Tunnel diverts water from the main stem and tributaries of Fryingpan River in Colorado River basin, to Lake Fork in sec. 10, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Graphic water-stage recorder with satellite-monitored data collection platform (Sutron 8210 high data rate DCP) and shaft encoder in a 5'x 5' concrete shelter. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to inside drop tape and RP with an outside staff gage in the flume used as a supplemental reference gage. An electric tape gage was installed on Aug. 20, 2003. Control is a 15-foot concrete Parshall flume.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 1-Dec. 21, 2005, and Sept. 12-30, 2006, when maintenance was being performed in the tunnel and a flume by-pass drain was used, resulting in these periods becoming estimated days. Record fair. The Boustead Tunnel flume is located approximately 90 feet downstream of the mouth of Boustead Tunnel. There are no provisions over this 90-foot reach for a deeper channel section prior to the flume entrance, nor any other channel modifications, to help still and slow the flow to the recommended tranquil flow conditions. Observations of flow conditions at higher stages over the past several years have indicated the approach velocities to the flume are too high and poorly distributed by the time flow reaches the flume entrance. This results in increasing positive shifts to the rating as stage increases. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--BOUTUNCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

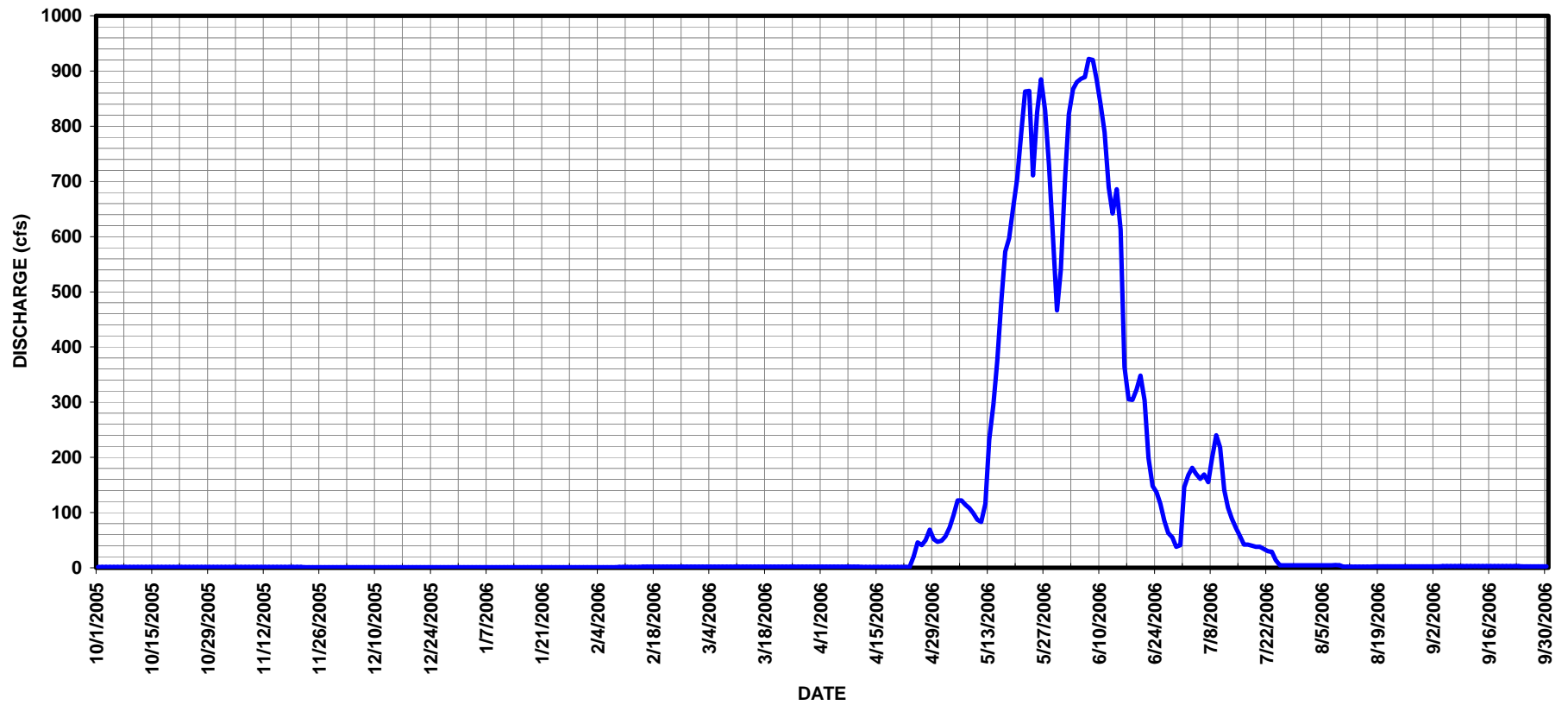
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.4	1.2	1.0	1.0	2.2	2.1	49	703	146	4.4	2.5
2	1.7	1.4	1.2	1.0	1.0	2.2	2.0	57	822	168	4.4	2.5
3	1.6	1.4	1.2	1.0	1.0	2.2	1.9	73	867	181	4.4	2.6
4	1.6	1.4	1.1	1.0	1.0	2.2	1.9	95	880	170	4.4	2.8
5	1.6	1.4	1.1	1.0	1.0	2.2	1.9	122	886	161	4.4	2.8
6	1.6	1.4	1.1	1.0	1.0	2.2	1.9	122	889	169	4.5	2.8
7	1.6	1.4	1.1	1.0	1.0	2.2	1.9	114	922	155	4.7	2.8
8	1.6	1.4	1.1	1.0	1.2	2.2	1.9	108	920	199	4.8	2.8
9	1.6	1.4	1.1	1.0	1.7	2.2	1.9	99	885	240	4.5	2.8
10	1.6	1.3	1.1	1.0	1.7	2.2	1.9	87	838	218	2.2	2.9
11	1.6	1.3	1.1	1.0	1.7	2.2	1.7	83	789	141	2.2	3.1
12	1.6	1.3	1.1	1.0	1.7	2.2	1.7	116	689	109	2.2	3.1
13	1.6	1.3	1.1	1.0	1.7	2.2	1.7	232	642	89	2.2	3.0
14	1.6	1.3	1.1	1.0	1.7	2.2	1.7	295	686	72	2.2	3.0
15	1.6	1.3	1.1	1.0	1.8	2.2	1.7	374	613	58	2.2	3.0
16	1.5	1.3	1.1	1.0	2.2	2.1	1.7	484	364	42	2.2	3.0
17	1.5	1.3	1.0	1.0	2.2	2.0	1.7	573	305	42	2.2	2.9
18	1.5	1.3	1.0	1.0	2.2	2.2	1.7	597	304	40	2.4	2.9
19	1.5	1.3	1.0	1.0	2.2	2.2	1.7	654	323	38	2.5	2.9
20	1.5	1.3	1.0	1.0	2.2	2.2	1.7	704	348	38	2.5	2.8
21	1.5	1.3	1.0	1.0	2.2	2.2	1.7	788	303	34	2.5	2.8
22	1.5	1.2	1.0	1.0	2.2	2.2	1.7	863	199	30	2.5	2.8
23	1.5	1.2	1.0	1.0	2.2	2.2	1.7	864	148	29	2.5	2.8
24	1.5	1.2	1.0	1.0	2.2	2.2	21	711	137	14	2.5	2.7
25	1.5	1.2	1.0	1.0	2.2	2.2	46	825	116	4.4	2.5	2.7
26	1.5	1.2	1.2	1.0	2.2	2.0	41	885	85	4.4	2.5	2.7
27	1.5	1.2	1.1	1.0	2.2	1.9	50	829	63	4.4	2.5	2.6
28	1.5	1.2	1.0	1.0	2.1	2.0	69	730	55	4.4	2.5	2.6
29	1.4	1.2	1.0	1.0	---	2.0	52	603	38	4.4	2.5	2.6
30	1.4	1.2	1.0	1.0	---	2.0	47	466	41	4.4	2.5	2.5
31	1.4	---	1.0	1.0	---	2.1	---	541	---	4.4	2.5	---
TOTAL	47.9	39.0	33.2	31.0	48.7	66.7	367.4	13143	14860	2613.8	93.0	83.8
MEAN	1.55	1.30	1.07	1.00	1.74	2.15	12.2	424	495	84.3	3.00	2.79
AC-FT	95	77	66	61	97	132	729	26070	29470	5180	184	166
MAX	1.7	1.4	1.2	1.0	2.2	2.2	69	885	922	240	4.8	3.1
MIN	1.4	1.2	1.0	1.0	1.0	1.9	1.7	49	38	4.4	2.2	2.5

CAL YR	2005	TOTAL	28139	MEAN	77.1	MAX	834	MIN	1	AC-FT	55810
WTR YR	2006	TOTAL	31427.5	MEAN	86.1	MAX	922	MIN	1	AC-FT	62340

MAX DISCH: 971 CFS AT 00:15 ON May. 23, 2006 GH 5.57 FT. SHIFT 0.26 FT.

MAX GH: 5.57 FT. AT 00:15 ON May. 23, 2006

09077160 BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA, CO

LOCATION.--Lat 39°14'55", long 106°28'14"; Water diverted from Ivanhoe Lake, tributary to Fryingpan River in sec. 13, T. 9 S., R. 82 W., in Roaring Fork River basin, to Busk Creek (tributary to Lake Fork) in sec. 20, T. 9 S., R. 81 W., in Arkansas River basin.

GAGE.--Graphic water-stage recorder, satellite-monitored data collection platform (Sutron SatLink high data rate DCP) and shaft encoder in a 3'x3' metal and wood shelter. Satellite monitored DCP is the primary source of stage data with chart record used for backup. Shaft encoder and chart are set to outside staff gage in the flume. Control is an 8-foot steel Parshall flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--BUSTUNCO02 USED FROM 01-OCT-2005 TO 16-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

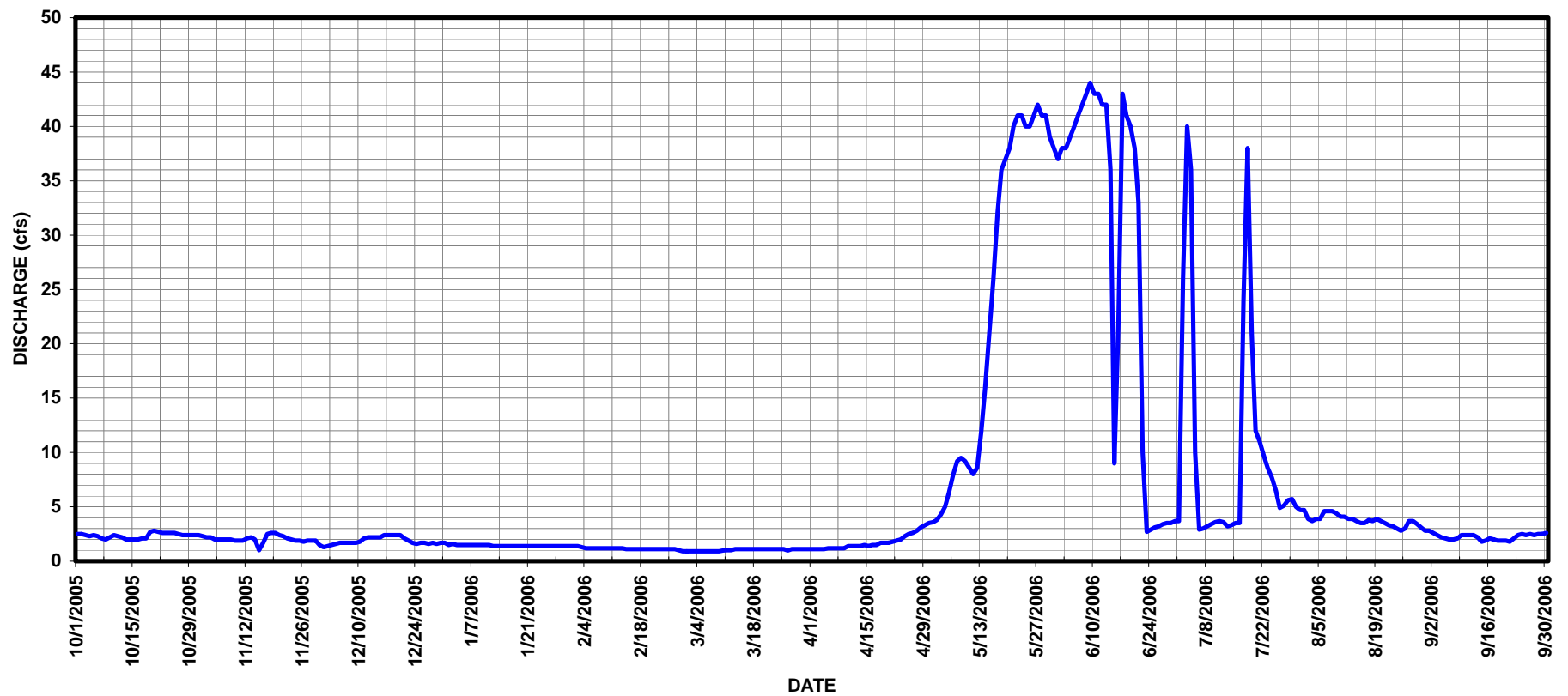
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.3	1.3	1.5	1.4	.92	1.1	3.6	37	3.7	4.7	2.8
2	2.5	2.2	1.4	1.6	1.4	.92	1.1	3.8	38	26	3.9	2.6
3	2.4	2.2	1.5	1.5	1.3	.92	1.1	4.3	38	40	3.7	2.4
4	2.3	2.0	1.6	1.5	1.2	.92	1.1	5.0	39	36	3.9	2.2
5	2.4	2.0	1.7	1.5	1.2	.92	1.2	6.3	40	10	3.9	2.1
6	2.3	2.0	1.7	1.5	1.2	.92	1.2	7.9	41	2.9	4.6	2.0
7	2.1	2.0	1.7	1.5	1.2	.91	1.2	9.2	42	3.0	4.6	2.0
8	2.0	2.0	1.7	1.5	1.2	.92	1.2	9.5	43	3.2	4.6	2.1
9	2.2	1.9	1.7	1.5	1.2	.92	1.2	9.2	44	3.4	4.4	2.4
10	2.4	1.9	1.8	1.5	1.2	.98	1.4	8.6	43	3.6	4.1	2.4
11	2.3	1.9	2.1	1.5	1.2	1.0	1.4	8.0	43	3.7	4.1	2.4
12	2.2	2.1	2.2	1.4	1.2	1.0	1.4	8.6	42	3.6	3.9	2.4
13	2.0	2.2	2.2	1.4	1.2	1.1	1.4	12	42	3.2	3.9	2.2
14	2.0	2.0	2.2	1.4	1.1	1.1	1.5	16	36	3.3	3.7	1.8
15	2.0	1.0	2.2	1.4	1.1	1.1	1.4	21	9.0	3.5	3.5	1.9
16	2.0	1.7	2.4	1.4	1.1	1.1	1.5	26	22	3.5	3.5	2.1
17	2.1	2.5	2.4	1.4	1.1	1.1	1.5	32	43	24	3.8	2.0
18	2.1	2.6	2.4	1.4	1.1	1.1	1.7	36	41	38	3.7	1.9
19	2.7	2.6	2.4	1.4	1.1	1.1	1.7	37	40	21	3.9	1.9
20	2.8	2.4	2.4	1.4	1.1	1.1	1.7	38	38	12	3.7	1.9
21	2.7	2.3	2.1	1.4	1.1	1.1	1.8	40	33	11	3.5	1.8
22	2.6	2.1	1.9	1.4	1.1	1.1	1.9	41	10	9.7	3.3	2.1
23	2.6	2.0	1.7	1.4	1.1	1.1	2.0	41	2.7	8.6	3.2	2.4
24	2.6	1.9	1.6	1.4	1.1	1.1	2.3	40	2.9	7.7	3.0	2.5
25	2.6	1.9	1.7	1.4	1.1	1.1	2.5	40	3.1	6.5	2.8	2.4
26	2.5	1.8	1.7	1.4	1.1	.99	2.6	41	3.2	4.9	3.0	2.5
27	2.4	1.9	1.6	1.4	1.0	1.1	2.8	42	3.4	5.1	3.7	2.4
28	2.4	1.9	1.7	1.4	.92	1.1	3.1	41	3.5	5.6	3.7	2.5
29	2.4	1.9	1.6	1.4	---	1.1	3.3	41	3.5	5.7	3.4	2.5
30	2.4	1.5	1.7	1.4	---	1.1	3.5	39	3.7	5.0	3.1	2.6
31	2.4	---	1.7	1.4	---	1.1	---	38	---	4.7	2.8	---
TOTAL	72.9	60.7	58.0	44.6	32.32	32.04	52.8	746.0	830.0	322.1	115.6	67.2
MEAN	2.35	2.02	1.87	1.44	1.15	1.03	1.76	24.1	27.7	10.4	3.73	2.24
AC-FT	145	120	115	88	64	64	105	1480	1650	639	229	133
MAX	2.8	2.6	2.4	1.6	1.4	1.1	3.5	42	44	40	4.7	2.8
MIN	2.0	1.0	1.3	1.4	.92	.91	1.1	3.6	2.7	2.9	2.8	1.8

CAL YR	2005	TOTAL	2721.51	MEAN	7.46	MAX	54	MIN	.56	AC-FT	5400
WTR YR	2006	TOTAL	2434.26	MEAN	6.67	MAX	44	MIN	.91	AC-FT	4830

MAX DISCH: 43.5 CFS AT 16:45 ON Jun. 8, 2006 GH 1.17 FT. SHIFT 0.04 FT.
MAX GH: 1.17 FT. AT 16:45 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077500 BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES, CO

LOCATION.--Lat 39°04'56", long 106°32'24"; diverts water from tributaries of Roaring Fork River in Colorado River Basin to North Fork Lake Creek in sec. 22, T.11 S., R.82 W., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder, with Sutron high data rate 8210 DCP and shaft encoder in a 5' x 5' concrete shelter and well. Primary record is satellite-monitored data with the graphic chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 12-foot concrete Parshall flume. An electric tape gage was installed on Apr. 24, 2003.

REMARKS.--Record is complete and reliable. Record fair. Additional high flow measurements are needed to better define shifts to the rating at medium and higher stages. Shifts to the rating occur due to excessive approach velocities and turbulence/ waves in the flume due to the approach section entering the flume at an angle. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD12FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

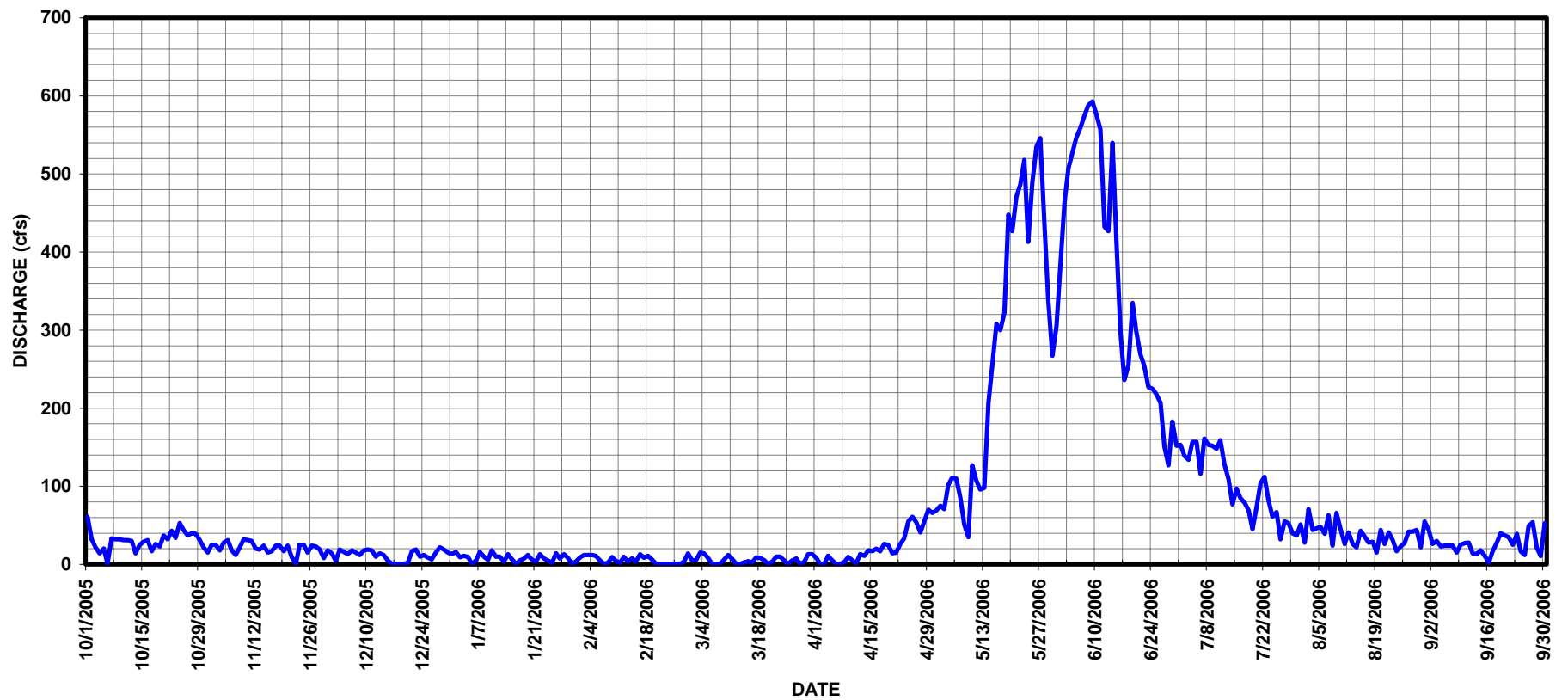
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	25	14	16	8.7	5.4	8.5	69	383	153	28	44
2	32	25	4.7	9.1	12	5.4	.66	75	464	139	71	26
3	22	18	19	11	12	15	.76	71	507	134	44	30
4	14	28	16	9.4	12	14	11	102	527	157	46	23
5	20	31	13	.68	11	8.2	5.0	111	546	157	48	24
6	1.1	18	18	5.1	5.1	.63	.71	110	559	116	39	24
7	33	12	15	16	.67	.66	.81	85	575	161	63	24
8	32	21	12	10	2.1	.66	2.8	51	588	153	24	15
9	32	32	18	5.6	9.0	5.9	9.4	35	593	152	66	25
10	31	31	19	18	4.2	12	5.4	127	577	148	45	27
11	31	30	18	10	2.2	7.1	1.5	107	557	159	26	28
12	30	20	9.8	9.8	9.5	.66	13	96	432	128	41	14
13	14	19	14	3.5	3.6	.66	11	98	427	109	26	13
14	25	24	12	13	7.8	2.4	18	207	540	77	22	18
15	29	15	4.8	6.6	3.6	3.8	17	255	416	97	43	11
16	31	17	.73	.70	13	2.3	20	308	297	85	36	2.6
17	17	24	.83	5.0	8.5	8.7	17	300	236	79	28	17
18	26	24	.82	7.5	11	8.5	26	322	255	69	29	28
19	23	17	.83	12	6.0	5.2	25	448	335	45	15	40
20	37	24	2.0	5.9	.67	.74	14	427	298	74	44	37
21	32	9.0	17	3.7	.67	3.2	15	471	269	104	26	35
22	43	1.0	19	13	.67	10	26	486	254	112	41	25
23	34	25	10	7.3	.67	10	33	518	227	83	31	39
24	53	25	12	5.1	.68	4.9	55	413	225	61	17	17
25	44	15	8.7	2.2	.69	.67	61	489	218	67	23	12
26	37	24	6.3	14	.67	5.1	54	535	207	32	27	49
27	40	23	15	7.5	3.5	7.3	41	546	151	55	42	54
28	39	19	22	13	14	.76	55	436	127	53	42	21
29	31	8.1	19	8.3	---	3.0	70	338	183	40	44	11
30	22	18	15	.67	---	13	66	267	152	37	22	53
31	15	---	13	3.7	---	13	---	306	---	51	55	---
TOTAL	931.1	622.1	369.51	253.35	164.19	178.84	683.54	8209	11125	3087	1154	786.6
MEAN	30.0	20.7	11.9	8.17	5.86	5.77	22.8	265	371	99.6	37.2	26.2
AC-FT	1850	1230	733	503	326	355	1360	16280	22070	6120	2290	1560
MAX	61	32	22	18	14	15	70	546	593	161	71	54
MIN	1.1	1.0	.73	.67	.67	.63	.66	35	127	32	15	2.6

CAL YR	2005	TOTAL	26380.8	MEAN	72.3	MAX	577	MIN	.72	AC-FT	52330
WTR YR	2006	TOTAL	27564.23	MEAN	75.5	MAX	593	MIN	.63	AC-FT	54670

MAX DISCH: 602 CFS AT 02:30 ON Jun. 9, 2006 GH 4.94 FT. SHIFT 0 FT.
MAX GH: 4.94 FT. AT 02:30 ON Jun. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09073000 TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

ARKANSAS RIVER BASIN

09115000 LARKSPUR DITCH NEAR MARSHALL PASS, CO

LOCATION.--Lat 38°23'00", long 106°15'00", diverts water from tributaries of Tomichi Creek between headgates (in sec. 11, T.48 N., R.6 E., and sec. 1, T.47 N., R.6 E.), and Marshall Pass, in Gunnison River basin, to Poncha Creek (tributary to South Arkansas River) in SE¼ sec. 24, T.48 N., R.6 E., in Arkansas River basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder (F-type), satellite-monitored data collection platform (high data rate Sutron SatLink Logger DCP) and shaft encoder in a 30"x 24" metal shelter and well. Primary record is satellite-monitored data with the chart recorder used for backup purposes. Shaft encoder and chart are set to outside staff gage. Control is a 2-foot steel Parshall flume.

REMARKS.--The record is complete and fairly reliable except for Oct 26-Nov 2, 2005, when ice affected the stage-discharge relationship, and May 21-26, 2006, when the shaft-encoder malfunctioned. Record fair, except for periods of ice-affected record and shaft encoder malfunction, which are poor. Station maintained and record developed by L.R. Schultz.

RATING TABLE.--STD02FTPF USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

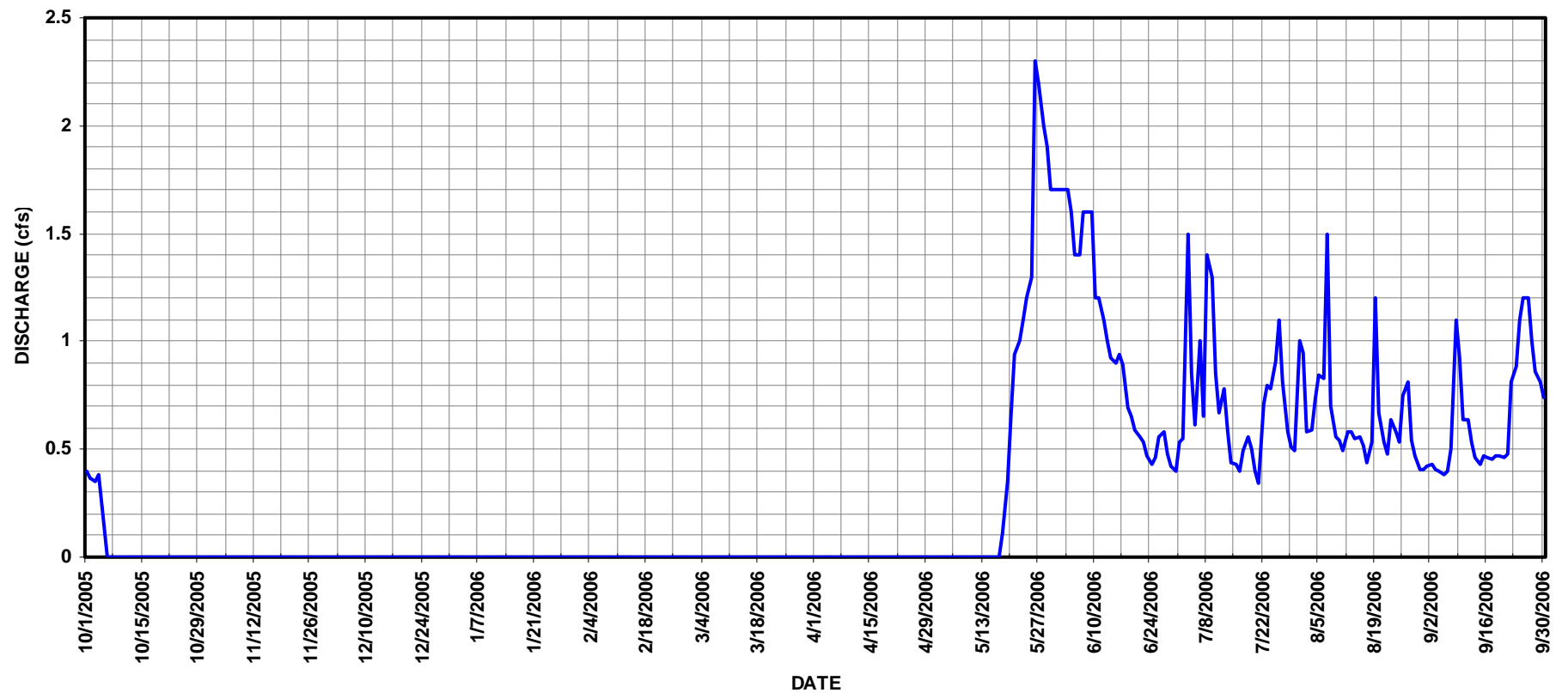
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	0	0	0	0	0	0	0	1.7	.53	.95	.42
2	.37	0	0	0	0	0	0	0	1.7	.55	.58	.43
3	.35	0	0	0	0	0	0	0	1.7	1.5	.59	.41
4	.38	0	0	0	0	0	0	0	1.6	.85	.73	.40
5	.23	0	0	0	0	0	0	0	1.4	.61	.84	.38
6	0	0	0	0	0	0	0	0	1.4	1.0	.83	.40
7	0	0	0	0	0	0	0	0	1.6	.65	1.5	.50
8	0	0	0	0	0	0	0	0	1.6	1.4	.70	1.1
9	0	0	0	0	0	0	0	0	1.6	1.3	.56	.92
10	0	0	0	0	0	0	0	0	1.2	.85	.54	.64
11	0	0	0	0	0	0	0	0	1.2	.67	.49	.64
12	0	0	0	0	0	0	0	0	1.1	.78	.58	.53
13	0	0	0	0	0	0	0	0	1.0	.59	.58	.46
14	0	0	0	0	0	0	0	0	.92	.44	.55	.43
15	0	0	0	0	0	0	0	0	.90	.43	.56	.47
16	0	0	0	0	0	0	0	0	.94	.40	.52	.46
17	0	0	0	0	0	0	0	0	.89	.49	.44	.45
18	0	0	0	0	0	0	0	.11	.69	.56	.53	.47
19	0	0	0	0	0	0	0	.35	.65	.50	1.2	.47
20	0	0	0	0	0	0	0	.66	.59	.40	.67	.46
21	0	0	0	0	0	0	0	.94	.56	.34	.53	.48
22	0	0	0	0	0	0	0	1.0	.53	.71	.48	.81
23	0	0	0	0	0	0	0	1.1	.47	.80	.64	.88
24	0	0	0	0	0	0	0	1.2	.43	.78	.58	1.1
25	0	0	0	0	0	0	0	1.3	.46	.91	.53	1.2
26	0	0	0	0	0	0	0	2.3	.56	1.1	.75	1.2
27	0	0	0	0	0	0	0	2.2	.58	.81	.81	1.0
28	0	0	0	0	0	0	0	2.0	.48	.58	.54	.86
29	0	0	0	0	---	0	0	1.9	.42	.51	.47	.81
30	0	0	0	0	---	0	0	1.7	.40	.49	.41	.74
31	0	---	0	0	---	0	---	1.7	---	1.0	.41	---
TOTAL	1.73	0	0	0	0	0	0	18.46	29.27	22.53	20.09	19.52
MEAN	.056	0	0	0	0	0	0	.60	.98	.73	.65	.65
AC-FT	3.4	0	0	0	0	0	0	37	58	45	40	39
MAX	.40	0	0	0	0	0	0	2.3	1.7	1.5	1.5	1.2
MIN	0	0	0	0	0	0	0	0	.40	.34	.41	.38

CAL YR	2005	TOTAL	87.95	MEAN	.24	MAX	2.7	MIN	0	AC-FT	174
WTR YR	2006	TOTAL	111.6	MEAN	.31	MAX	2.3	MIN	0	AC-FT	221

MAX DISCH: 6.22 CFS AT 16:15 ON Jul. 3, 2006 GH 0.85 FT. SHIFT 0 FT.
MAX GH: 0.85 FT. AT 16:15 ON Jul. 3, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09115000 LARKSPUR DITCH NEAR MARSHALL PASS CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08213500 RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE, CO

LOCATION.--Lat 37°43'29", long 107°15'18", in NE¼ sec. 13, T.40 N., R.4 W., Hinsdale County, Hydrologic Unit 13010001, on right bank 70 ft downstream from bridge, 500 ft upstream from Squaw Creek, 0.8 mi downstream from Rio Grande Reservoir, and 20 mi southwest of Creede.

DRAINAGE AREA AND PERIOD OF RECORD.--163 mi². June 1909 to Sep. 1923, May 1925 to current year. No winter records 1910, 1926. Monthly data only for some periods.

GAGE.--Water-stage recorder with satellite telemetry in a timber shelter and metal well. Elevation of gage is 9,300 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Nov. 1, 2005 to Mar. 27, 2006 when the station was closed for the winter. Record good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOMILCO12 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

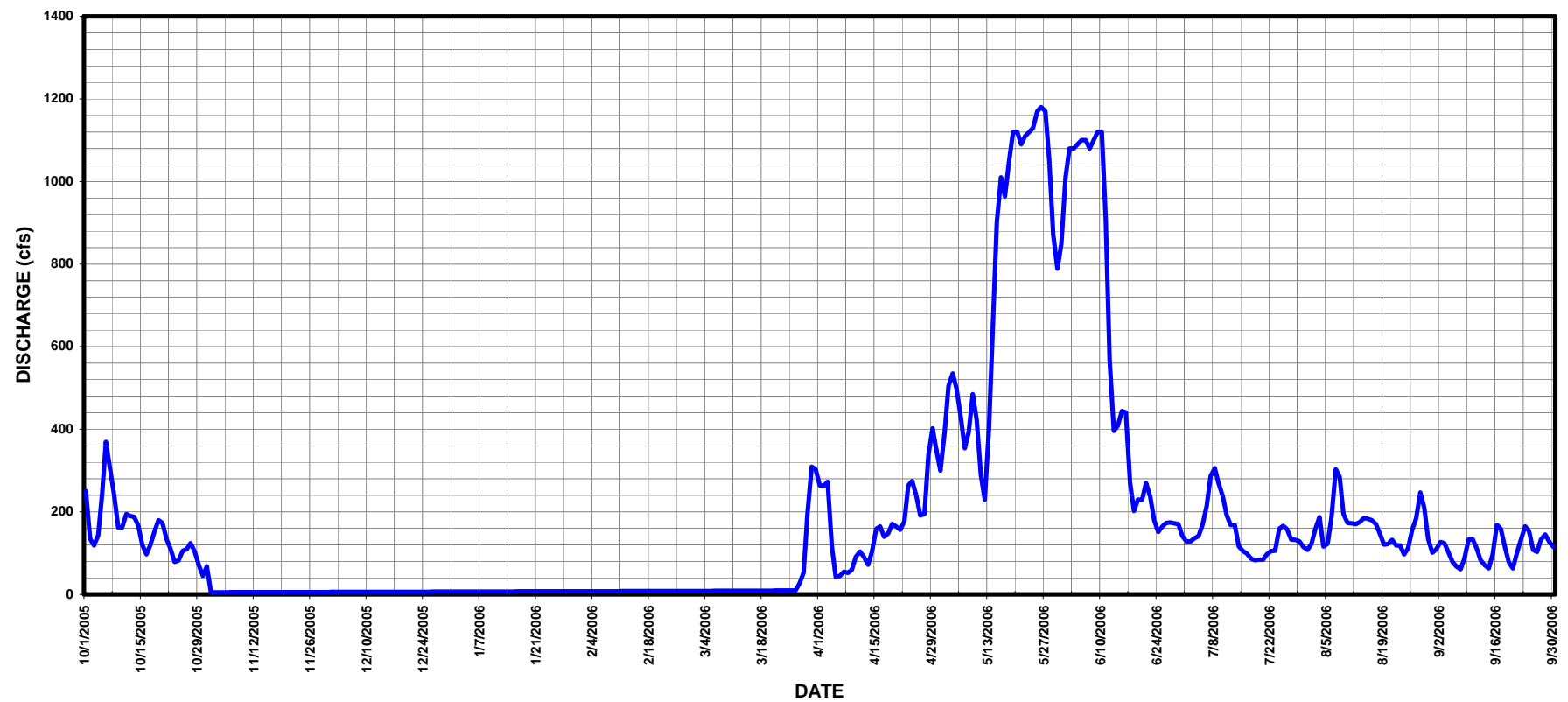
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	5.0	5.8	6.8	7.6	8.4	264	300	1010	128	122	109
2	135	5.0	5.8	6.8	7.6	8.4	263	392	1080	128	158	127
3	119	5.0	5.8	6.8	7.6	8.4	273	505	1080	136	187	124
4	143	5.0	5.8	6.8	7.6	8.4	117	535	1090	141	116	101
5	243	5.0	5.8	6.8	7.6	8.4	42	497	1100	168	123	79
6	370	5.2	6.0	6.8	7.8	8.6	45	428	1100	214	188	68
7	303	5.2	6.0	6.8	7.8	8.6	55	354	1080	286	303	61
8	243	5.2	6.0	6.8	7.8	8.6	52	393	1100	306	285	87
9	162	5.2	6.0	6.8	7.8	8.6	60	485	1120	269	195	133
10	162	5.2	6.0	6.8	7.8	8.6	91	423	1120	238	173	134
11	195	5.4	6.2	7.0	8.0	8.8	104	290	909	192	172	111
12	190	5.4	6.2	7.0	8.0	8.8	91	229	568	168	170	83
13	188	5.4	6.2	7.0	8.0	8.8	72	403	396	168	175	71
14	166	5.4	6.2	7.0	8.0	8.8	104	651	408	117	185	63
15	120	5.4	6.2	7.0	8.0	8.8	159	901	444	105	183	97
16	97	5.4	6.4	7.2	8.0	9.0	165	1010	441	99	180	169
17	120	5.4	6.4	7.2	8.0	9.0	140	964	270	87	170	159
18	153	5.4	6.4	7.2	8.0	9.0	148	1050	202	83	147	114
19	180	5.4	6.4	7.2	8.0	9.0	171	1120	229	84	121	77
20	173	5.4	6.4	7.2	8.0	9.0	164	1120	229	84	122	63
21	134	5.6	6.4	7.4	8.2	9.2	157	1090	270	98	132	102
22	111	5.6	6.4	7.4	8.2	9.2	178	1110	237	105	119	133
23	79	5.6	6.4	7.4	8.2	9.2	264	1120	180	106	119	165
24	82	5.6	6.4	7.4	8.2	9.2	275	1130	151	159	97	154
25	106	5.6	6.4	7.4	8.2	9.2	239	1170	164	166	111	108
26	109	5.6	6.6	7.4	8.4	9.2	191	1180	173	158	157	103
27	124	5.6	6.6	7.4	8.4	26	195	1170	174	133	184	133
28	103	5.6	6.6	7.4	8.4	52	338	1050	172	132	247	145
29	72	5.6	6.6	7.4	---	196	402	871	170	129	210	128
30	45	5.6	6.6	7.4	---	309	348	789	142	115	134	115
31	68	---	6.6	7.4	---	303	---	849	---	108	101	---
TOTAL	4745	161.0	193.6	220.4	223.2	1115.2	5167	23579	16809	4610	5086	3316
MEAN	153	5.37	6.25	7.11	7.97	36.0	172	761	560	149	164	111
AC-FT	9410	319	384	437	443	2210	10250	46770	33340	9140	10090	6580
MAX	370	5.6	6.6	7.4	8.4	309	402	1180	1120	306	303	169
MIN	45	5.0	5.8	6.8	7.6	8.4	42	229	142	83	97	61

CAL YR	2005	TOTAL	91416.7	MEAN	250	MAX	1230	MIN	4	AC-FT	181300
WTR YR	2006	TOTAL	65225.4	MEAN	179	MAX	1180	MIN	5	AC-FT	129400

MAX DISCH: 1190 CFS AT 22:00 ON May. 25, 2006 GH 3.63 FT. SHIFT 0.01 FT.
MAX GH: 3.63 FT. AT 22:00 ON May. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08213500 RIO GRANDE AT THIRTYMILE BRIDGE NEAR CREEDE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR, CO

LOCATION.--Lat 37°53'18", long 107°12'10", in NE¼SW¼ sec. 21, T.42 N., R.3 W., Hinsdale County, Hydrologic Unit 13010001, on left bank 100 ft downstream from bridge, 1,000 ft downstream from Continental Reservoir, and 15 mi west of Creede.

DRAINAGE AREA.--51.7 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 4 ft. by 4 ft. timber shelter and concrete well at a concrete ramp flume. Elevation of gage is 10,200 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Oct. 31, 2005 when the well isolated for part of the day, and Nov. 1, 2005 through April 13, 2006 when the station was closed for the winter. Record is good except for periods of no gage-height record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NCLCONCO22 USED FROM 01-OCT-2005 TO 30-SEP-2006

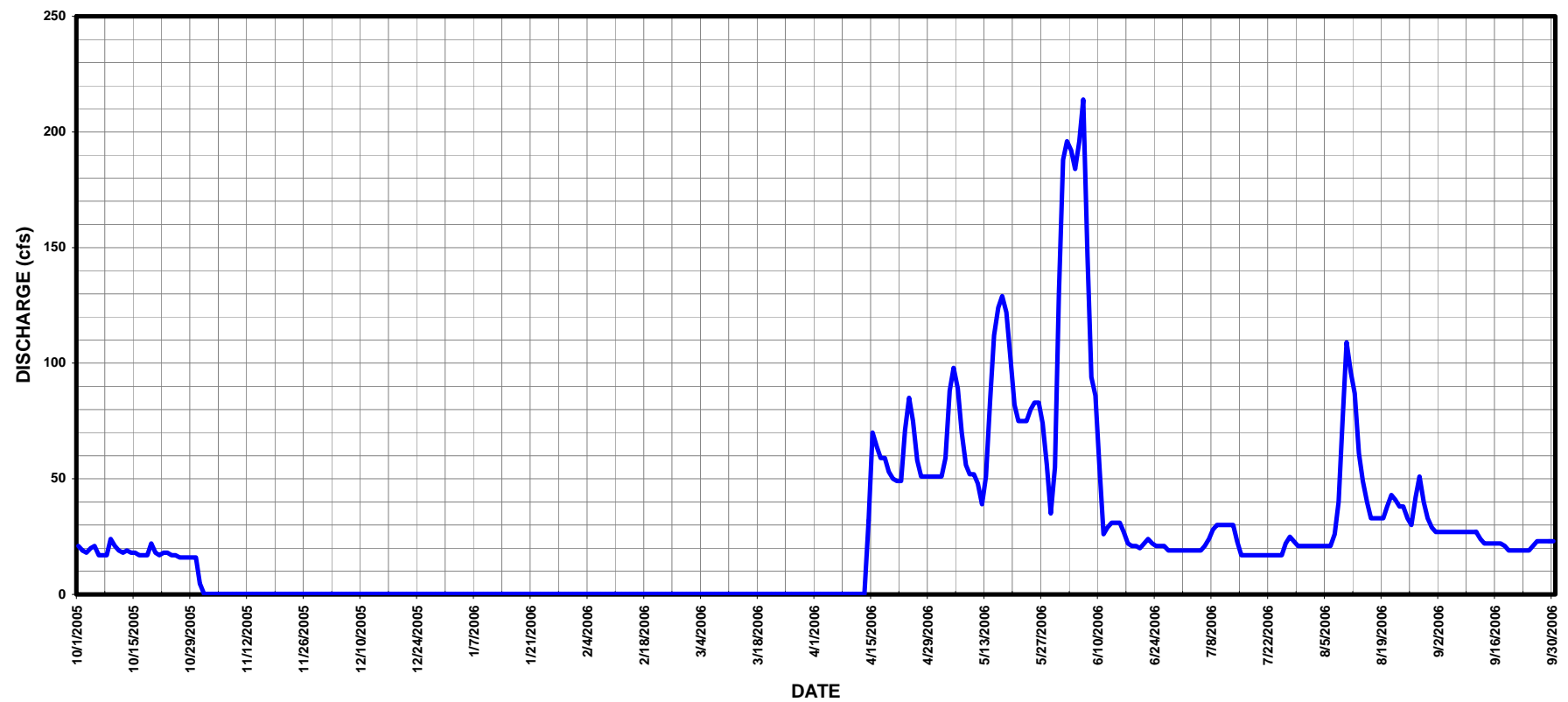
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	.25	.25	.25	.26	.26	.26	51	188	19	21	27
2	19	.25	.25	.25	.26	.26	.26	51	196	19	21	27
3	18	.25	.25	.25	.26	.26	.26	59	192	19	21	27
4	20	.25	.25	.25	.26	.26	.26	88	184	19	21	27
5	21	.25	.25	.25	.26	.26	.26	98	196	19	21	27
6	17	.25	.25	.25	.26	.26	.26	89	214	21	21	27
7	17	.25	.25	.25	.26	.26	.26	70	147	24	26	27
8	17	.25	.25	.25	.26	.26	.26	56	94	28	40	27
9	24	.25	.25	.25	.26	.26	.26	52	86	30	76	27
10	21	.25	.25	.25	.26	.26	.26	52	56	30	109	27
11	19	.25	.25	.25	.26	.26	.26	48	26	30	96	27
12	18	.25	.25	.25	.26	.26	.26	39	29	30	87	24
13	19	.25	.25	.25	.26	.26	.26	51	31	30	61	22
14	18	.25	.25	.25	.26	.26	32	84	31	23	49	22
15	18	.25	.25	.25	.26	.26	70	112	31	17	40	22
16	17	.25	.25	.25	.26	.26	64	124	27	17	33	22
17	17	.25	.25	.25	.26	.26	59	129	22	17	33	22
18	17	.25	.25	.25	.26	.26	59	122	21	17	33	21
19	22	.25	.25	.25	.26	.26	53	103	21	17	33	19
20	18	.25	.25	.25	.26	.26	50	82	20	17	38	19
21	17	.25	.25	.26	.26	.26	49	75	22	17	43	19
22	18	.25	.25	.26	.26	.26	49	75	24	17	41	19
23	18	.25	.25	.26	.26	.26	71	75	22	17	38	19
24	17	.25	.25	.26	.26	.26	85	80	21	17	38	19
25	17	.25	.25	.26	.26	.26	75	83	21	17	33	21
26	16	.25	.25	.26	.26	.26	58	83	21	22	30	23
27	16	.25	.25	.26	.26	.26	51	74	19	25	42	23
28	16	.25	.25	.26	.26	.26	51	56	19	23	51	23
29	16	.25	.25	.26	---	.26	51	35	19	21	40	23
30	16	.25	.25	.26	---	.26	51	55	19	21	33	23
31	4.7	---	.25	.26	---	.26	---	130	---	21	29	---
TOTAL	549.7	7.50	7.75	7.86	7.28	8.06	981.38	2381	2019	661	1298	702
MEAN	17.7	.25	.25	.25	.26	.26	32.7	76.8	67.3	21.3	41.9	23.4
AC-FT	1090	15	15	16	14	16	1950	4720	4000	1310	2570	1390
MAX	24	.25	.25	.26	.26	.26	85	130	214	30	109	27
MIN	4.7	.25	.25	.25	.26	.26	.26	35	19	17	21	19
CAL YR 2005	TOTAL	12710.59	MEAN	34.8	MAX	432	MIN	0.16	AC-FT	25210		
WTR YR 2006	TOTAL	8630.53	MEAN	23.6	MAX	214	MIN	0.25	AC-FT	17120		

MAX DISCH: 225 CFS AT 08:45 ON Jun. 6, 2006 GH 2.68 FT. SHIFT -0.04 FT.
MAX GH: 2.68 FT. AT 08:45 ON Jun. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08214500 NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08217500 RIO GRANDE RIVER at WAGONWHEEL GAP, CO.

LOCATION.--Lat 37°46'01", long 106°49'51", in NW1/4 NE1/4 sec. 35, T. 41N, R. 1E., Mineral County, Hydrologic unit 13010001, on left bank 40 ft. downstream from private bridge, 0.3 mi. upstream from Goose Creek, and 0.3 mi. west of town of Wagonwheel Gap.

DRAINAGE AREA.--780 mi².

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system in 4 ft. by 4 ft. timber shelter and 4 ft. diameter concrete well. Altitude of gage 8,430 ft. from topographic map. A cableway is located approximately 350 ft. upstream of the gage.

REMARKS.--Record is complete and reliable except for Dec. 13, 2005 through Mar. 24, 2006 when the station was closed for the winter; and Dec. 5 - 12, 2005, when the well was frozen. Stage-discharge relation was affected by ice Nov. 30, Dec. 1, 2, 2005. Record is good except for periods of ice affected and no gage height record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOWAGCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

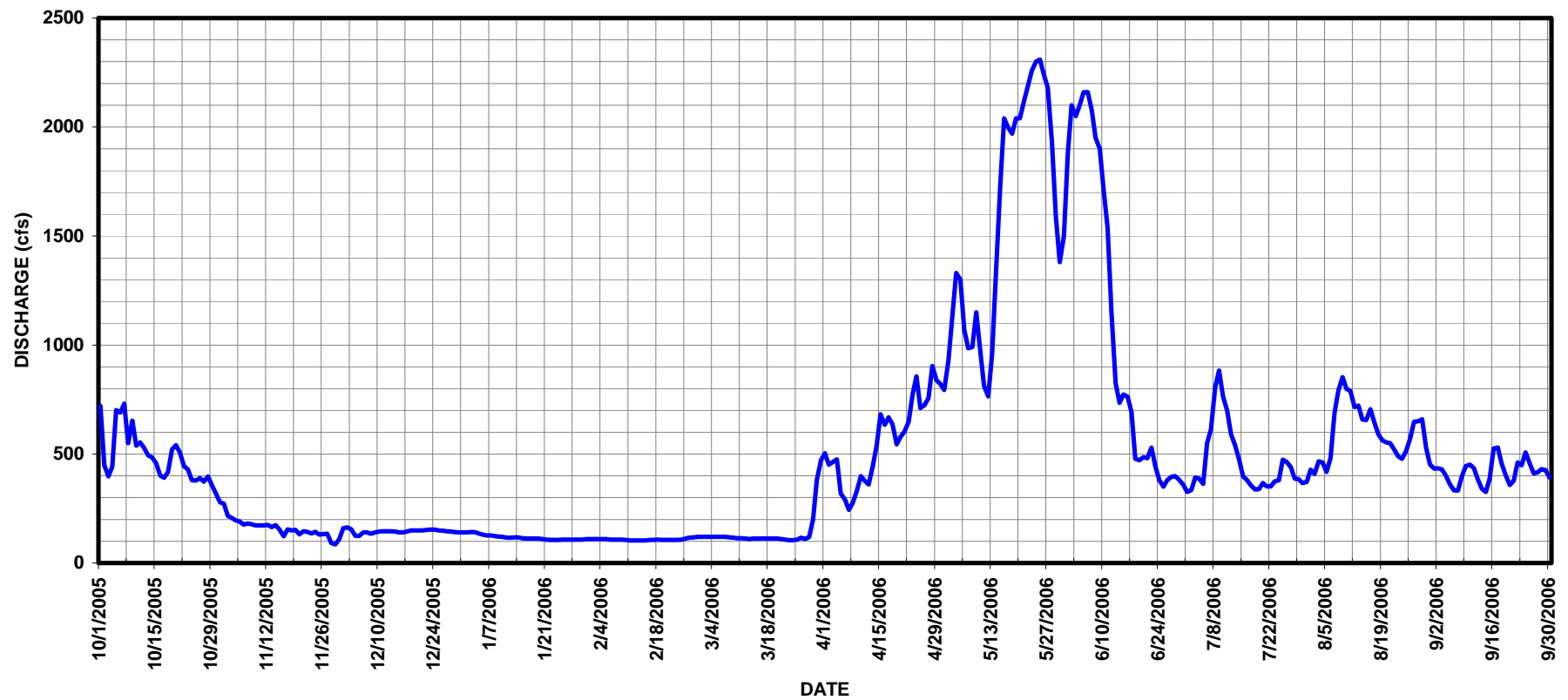
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	721	272	160	140	110	120	504	794	1880	326	428	433
2	449	216	164	142	110	120	451	926	2100	335	409	434
3	397	207	155	142	110	120	464	1130	2050	392	466	430
4	441	195	125	136	110	120	476	1330	2100	387	461	399
5	702	191	124	130	110	120	318	1300	2160	363	418	360
6	690	177	140	126	108	120	291	1070	2160	550	482	334
7	731	182	140	126	108	120	244	985	2080	613	686	332
8	549	178	134	124	108	118	276	991	1950	805	791	397
9	653	172	140	122	108	116	328	1150	1900	883	853	445
10	538	173	144	120	106	114	399	977	1710	766	799	451
11	554	173	146	116	104	114	377	812	1540	699	790	436
12	526	175	146	116	104	112	361	764	1150	590	716	385
13	493	165	146	118	104	110	446	962	825	542	722	340
14	484	174	144	118	104	112	542	1340	735	479	658	326
15	456	153	140	114	104	112	683	1730	773	397	656	388
16	401	123	140	112	106	112	634	2040	763	381	705	525
17	391	155	144	112	106	112	669	2000	692	357	646	529
18	418	149	150	112	108	112	636	1970	478	338	592	455
19	521	152	150	112	106	112	545	2040	471	339	562	404
20	541	132	150	110	106	112	579	2040	486	367	553	358
21	508	146	150	108	106	110	603	2120	481	352	550	377
22	443	143	152	106	106	108	648	2190	529	352	520	462
23	429	136	154	106	106	105	773	2260	443	374	489	449
24	379	143	154	106	108	105	856	2300	381	380	478	507
25	378	131	150	108	112	107	710	2310	350	474	515	460
26	390	133	148	108	116	116	725	2240	381	464	571	411
27	373	134	146	108	118	110	757	2180	395	440	648	415
28	397	92	144	108	120	119	904	1930	399	387	651	431
29	357	86	142	108	---	199	838	1590	381	385	659	425
30	320	110	140	108	---	381	821	1380	359	367	531	393
31	279	---	140	110	---	472	---	1500	---	372	452	---
TOTAL	14909	4768	4502	3632	3032	4240	16858	48351	32102	14256	18457	12491
MEAN	481	159	145	117	108	137	562	1560	1070	460	595	416
AC-FT	29570	9460	8930	7200	6010	8410	33440	95900	63670	28280	36610	24780
MAX	731	272	164	142	120	472	904	2310	2160	883	853	529
MIN	279	86	124	106	104	105	244	764	350	326	409	326

CAL YR	2005	TOTAL	256972	MEAN	704	MAX	4130	MIN	85	AC-FT	509700
WTR YR	2006	TOTAL	177598	MEAN	487	MAX	2310	MIN	86	AC-FT	352300

MAX DISCH: 2590 CFS AT 03:15 ON May. 25, 2006 GH 3.95 FT. SHIFT 0.08 FT.
MAX GH: 3.95 FT. AT 03:15 ON May. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08217500 RIO GRANDE RIVER at WAGONWHEEL GAP CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08218500 GOOSE CREEK AT WAGONWHEEL GAP, CO

LOCATION.--Lat 37°45'07", long 106°49'46", in SW¼SE¼ sec. 35, T.41 N., R.1 E., Mineral County, Hydrologic Unit 13010001, on left bank 0.2 mi downstream from Pierce Creek, 1.0 mi upstream from mouth, 1.0 mi south of Wagonwheel Gap, and 8.8 mi southeast of Creede.

DRAINAGE AREA.--90 mi².

GAGE.--Graphic water-stage recorder in 36 inch corrugated pipe shelter and smooth steel pipe well. Supplemental outside cantilever chain gage. A Sutron shaft encoder and data logger with satellite transmitter, which now is the primary record, was installed September 26, 2003. Elevation of gage is 8,460 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for the following periods: November 24-December 12, 2005, when floats were affected by ice in well, and December 13, 2005 through March 24, 2006 when station was closed for the winter. Stage-discharge relation was affected by ice November 15-18, 20-23, 2005 and March 27, 2006. Record is good except for periods of no gage height and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--GOOWAGCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

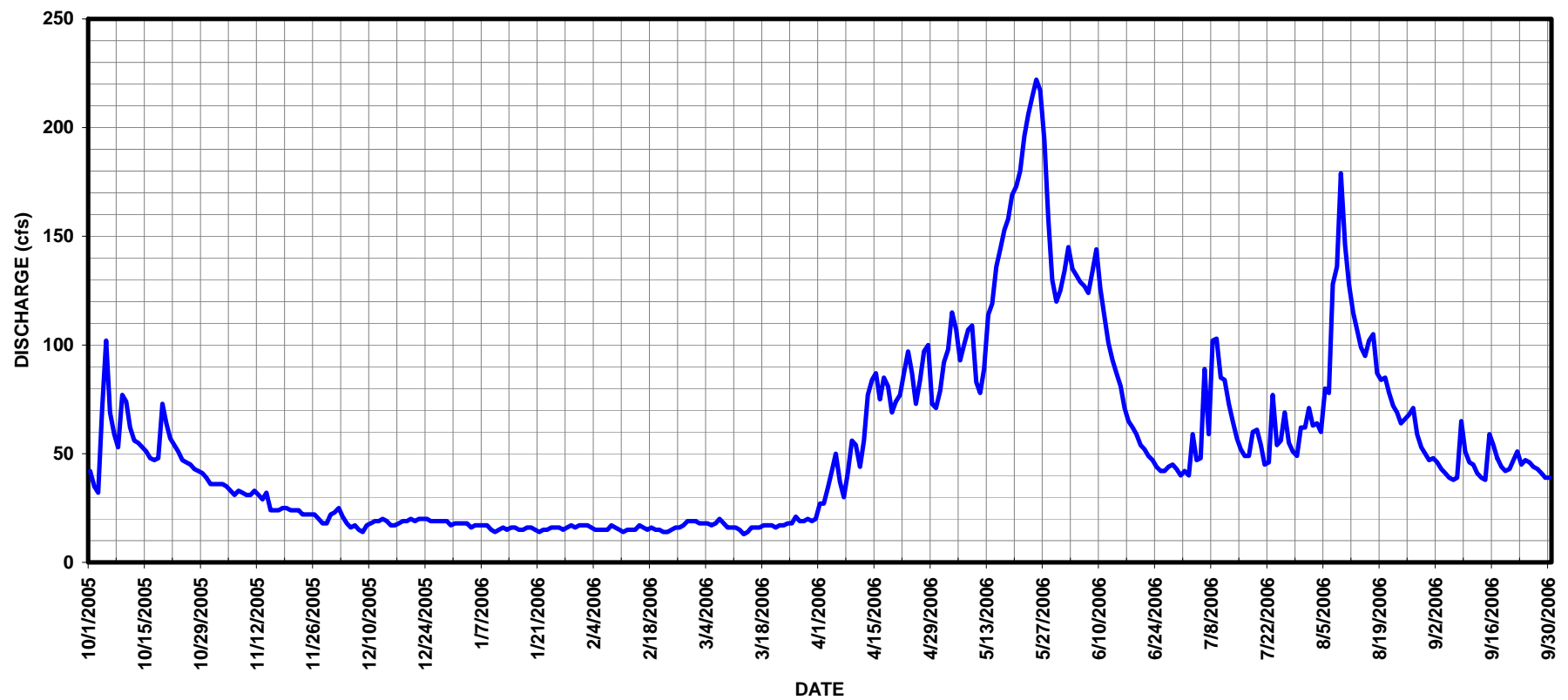
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	36	23	18	17	19	27	79	134	42	71	48
2	35	36	25	18	17	18	27	92	145	40	63	46
3	32	36	21	18	16	18	34	98	135	59	64	43
4	70	35	18	16	15	18	42	115	132	47	60	41
5	102	33	16	17	15	17	50	107	129	48	80	39
6	69	31	17	17	15	18	37	93	127	89	78	38
7	59	33	15	17	15	20	30	100	124	59	128	39
8	53	32	14	17	17	18	41	107	134	102	136	65
9	77	31	17	15	16	16	56	109	144	103	179	51
10	74	31	18	14	15	16	54	83	126	85	146	46
11	62	33	19	15	14	16	44	78	113	84	128	45
12	56	31	19	16	15	15	56	89	101	73	115	41
13	55	29	20	15	15	13	77	114	93	65	107	39
14	53	32	19	16	15	14	84	119	87	57	99	38
15	51	24	17	16	17	16	87	136	81	52	95	59
16	48	24	17	15	16	16	75	144	71	49	102	54
17	47	24	18	15	15	16	85	153	65	49	105	48
18	48	25	19	16	16	17	81	158	62	60	87	44
19	73	25	19	16	15	17	69	169	59	61	84	42
20	64	24	20	15	15	17	74	173	54	54	85	43
21	57	24	19	14	14	16	77	180	52	45	78	47
22	54	24	20	15	14	17	87	196	49	46	72	51
23	51	22	20	15	15	17	97	206	47	77	69	45
24	47	22	20	16	16	18	87	214	44	54	64	47
25	46	22	19	16	16	18	73	222	42	56	66	46
26	45	22	19	16	17	21	84	217	42	69	68	44
27	43	20	19	15	19	19	97	194	44	55	71	43
28	42	18	19	16	19	19	100	158	45	51	59	41
29	41	18	19	17	---	20	73	130	43	49	53	39
30	39	22	17	16	---	19	71	120	40	62	50	39
31	36	---	18	17	---	20	---	125	---	62	47	---
TOTAL	1671	819	580	495	441	539	1976	4278	2564	1904	2709	1351
MEAN	53.9	27.3	18.7	16.0	15.7	17.4	65.9	138	85.5	61.4	87.4	45.0
AC-FT	3310	1620	1150	982	875	1070	3920	8490	5090	3780	5370	2680
MAX	102	36	25	18	19	21	100	222	145	103	179	65
MIN	32	18	14	14	14	13	27	78	40	40	47	38

CAL YR	2005	TOTAL	30087	MEAN	82	MAX	631	MIN	14	AC-FT	59680
WTR YR	2006	TOTAL	19327	MEAN	53	MAX	222	MIN	13	AC-FT	38340

MAX DISCH: 276 CFS AT 23:30 ON May. 24, 2006 GH 3.48 FT. SHIFT -0.04 FT.
MAX GH: 3.48 FT. AT 23:30 ON May. 24, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08218500 GOOSE CREEK AT WAGONWHEEL GAP CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK, CO

LOCATION.--Lat 37°39'25", long 106°38'55", in SW¼NE¼ sec. 3, T.39 N., R.3 E., Rio Grande County, Hydrologic Unit 13010001, on left bank near U.S. Highway 160, 0.1 mile downstream from Church Creek, 0.9 mi southwest of village of South Fork, and 1.5 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--216 mi². Station established May 17, 1909 at different site with minimal records. Non-recording to 1910 when water-stage recorder installed. Moved to current site in May 1936.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system with an air temperature sensor and a tipping bucket rain gage in a timber shelter and corrugated metal pipe well. Datum of gage is 8,221.79 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except December 7-12, 2005 when the well was frozen, December 13, 2005 through March 24, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 15-30, December 1-6, 2005. Record is good except for periods of no gage-height record and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOSFKCO10 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

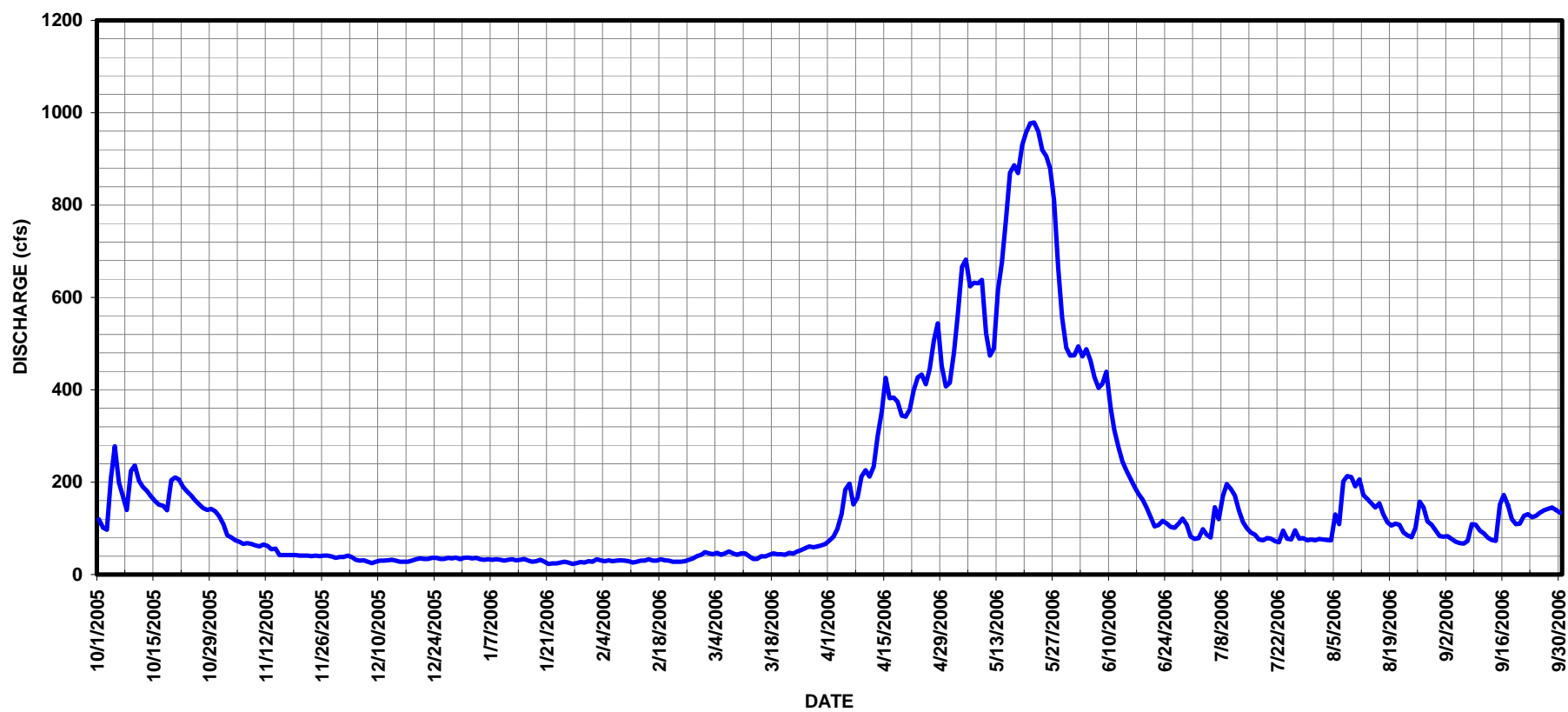
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	109	38	37	28	48	74	415	475	77	77	82
2	102	85	41	35	33	46	82	480	494	79	76	83
3	97	80	38	36	31	44	99	563	472	98	75	77
4	208	74	32	33	29	47	131	666	488	86	74	71
5	278	71	30	32	31	43	184	682	463	80	130	68
6	199	66	31	33	29	46	197	624	428	146	109	67
7	170	68	28	32	30	50	152	632	404	120	202	73
8	140	66	25	33	31	46	167	631	413	170	213	109
9	224	63	28	32	30	43	212	638	439	196	211	108
10	236	61	30	30	29	46	226	523	363	185	191	95
11	203	65	30	32	26	46	212	474	313	171	206	89
12	190	62	31	33	28	40	234	490	276	138	172	80
13	181	55	32	31	30	34	299	617	245	114	163	75
14	169	56	30	32	30	34	353	676	225	100	154	73
15	159	42	28	34	33	40	426	771	208	91	145	152
16	151	42	28	30	30	39	382	870	190	86	154	172
17	149	42	28	28	30	43	383	886	175	76	131	150
18	139	42	30	29	33	46	374	869	162	74	113	120
19	204	42	33	32	31	44	344	930	145	79	106	109
20	210	41	35	28	30	44	342	957	124	78	110	110
21	206	41	34	23	28	43	358	977	104	72	108	127
22	190	41	34	24	28	47	398	979	107	70	91	131
23	180	40	36	24	28	45	427	959	116	95	85	124
24	171	41	36	26	29	50	433	919	111	78	81	127
25	161	40	34	28	32	53	412	906	103	76	101	134
26	152	41	34	26	35	57	446	879	101	96	158	139
27	144	41	36	23	40	61	507	810	111	78	145	142
28	140	39	35	25	43	59	544	663	121	79	115	145
29	142	36	37	27	---	61	452	556	108	74	108	140
30	137	38	33	26	---	63	407	491	82	76	96	134
31	126	---	36	29	---	66	---	474	---	74	83	---
TOTAL	5278	1630	1011	923	865	1474	9257	22007	7566	3112	3983	3306
MEAN	170	54.3	32.6	29.8	30.9	47.5	309	710	252	100	128	110
AC-FT	10470	3230	2010	1830	1720	2920	18360	43650	15010	6170	7900	6560
MAX	278	109	41	37	43	66	544	979	494	196	213	172
MIN	97	36	25	23	26	34	74	415	82	70	74	67

CAL YR	2005	TOTAL	105339	MEAN	289	MAX	2650	MIN	25	AC-FT	208900
WTR YR	2006	TOTAL	60412	MEAN	166	MAX	979	MIN	23	AC-FT	119800

MAX DISCH: 1160 CFS AT 22:30 ON May. 21, 2006 GH 4.55 FT. SHIFT -0.05 FT.
MAX GH: 4.55 FT. AT 22:30 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08219500 SOUTH FORK RIO GRANDE AT SOUTH FORK CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08220000 RIO GRANDE RIVER NEAR DEL NORTE, CO

LOCATION.--Lat 37°41'22", long 106°27'38", in NW¼ sec. 29, T.40 N., R.5 E., Rio Grande County, Hydrologic Unit 13010001, on right bank 20 ft downstream from county highway bridge, 6.0 mi west of Del Norte, and 5 mi upstream from Pinos Creek.

DRAINAGE AREA AND PERIOD OF RECORD.--1,320 mi². Measurements and staff gages with frequent readings begun in June of 1889. Various sites used until present site established in Nov. 1910, with a recorder installed in 1934. All missing periods have been estimated and discharge records are complete from July 1, 1889.

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 6 ft. by 6 ft. exposed aggregate concrete shelter and 4 ft. diameter concrete well. The satellite monitoring system collects gage height, air temperature, rainfall (tipping bucket), and water temperature data, and also has a modem system to provide gage heights via a dial-in option. Gage datum is 7,980.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Jan. 17, 2006 when there were four hours of missing electronic data and the chart recorder clock stopped. Hourly chart data were used to fill in missing and inaccurate periods in electronic data on Oct. 10, 2005 and Jul. 12, 2006. Stage-discharge relation was affected by ice Nov. 30, 2005 through Jan. 16, 2006, and Jan. 18 through Mar. 1, 2006. Record is good except for periods of no gage-height and ice affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIODELCO03 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

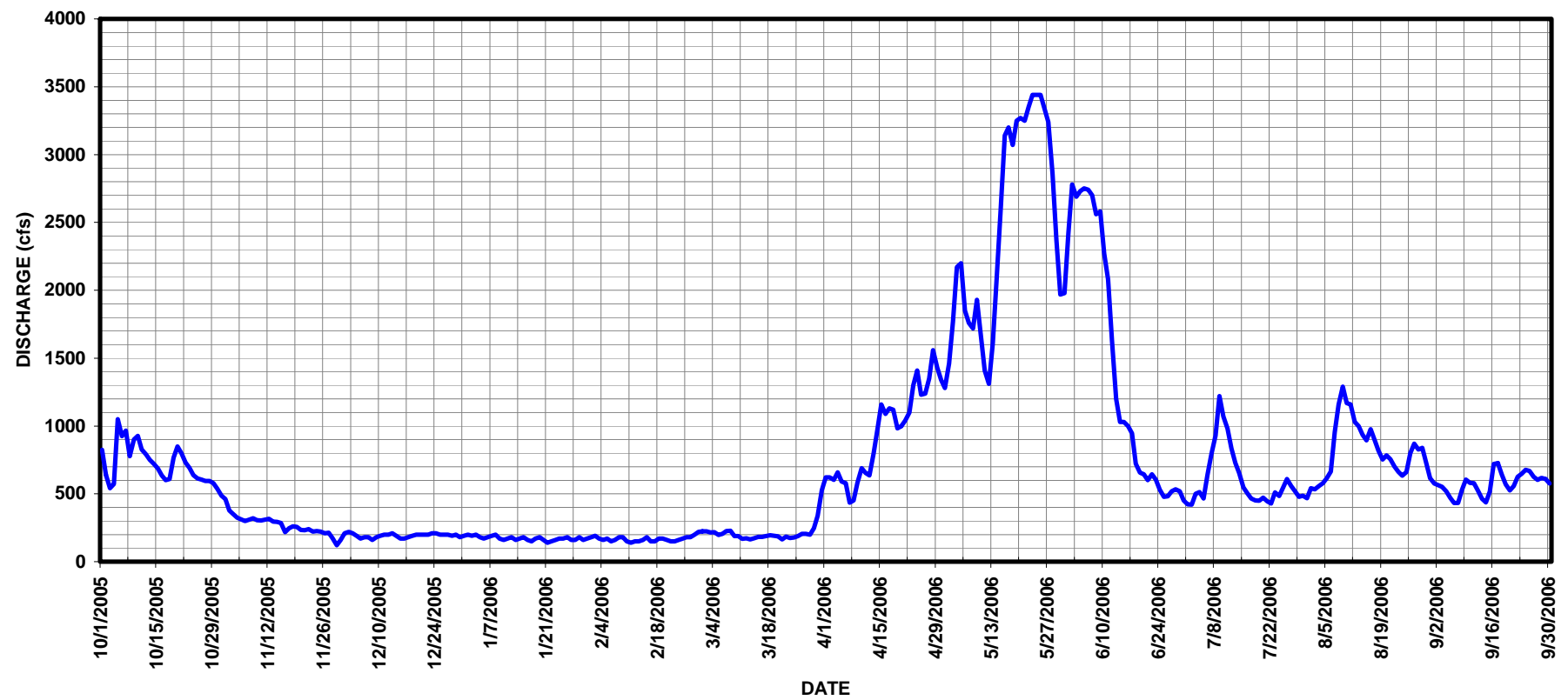
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	825	462	210	200	180	224	622	1280	2420	423	541	576
2	640	378	220	190	190	224	621	1460	2780	421	533	564
3	541	351	210	200	170	216	604	1770	2690	501	558	552
4	573	325	190	180	160	217	658	2170	2730	512	579	519
5	1050	312	170	170	170	196	590	2200	2750	466	616	472
6	926	300	180	180	150	205	578	1850	2740	641	664	433
7	967	310	180	190	160	225	434	1760	2700	791	953	433
8	777	320	160	200	180	227	451	1720	2560	929	1160	530
9	901	306	180	170	180	188	583	1930	2580	1220	1290	606
10	928	304	190	160	150	189	689	1670	2270	1070	1170	581
11	826	310	200	170	140	168	654	1410	2080	981	1160	579
12	791	315	200	180	150	172	636	1310	1630	834	1030	526
13	750	295	210	160	150	165	798	1610	1200	729	1000	463
14	723	293	190	170	160	173	978	2090	1030	653	936	437
15	688	286	170	180	180	183	1160	2620	1030	548	894	517
16	636	217	170	160	150	183	1090	3140	1000	504	976	720
17	602	247	180	150	150	189	1130	3200	946	466	899	727
18	609	261	190	170	170	195	1120	3070	722	452	818	643
19	768	256	200	180	170	190	983	3250	656	449	752	570
20	850	233	200	160	160	187	999	3270	644	471	783	525
21	801	232	200	140	150	165	1040	3250	602	446	754	557
22	730	239	200	150	150	184	1100	3350	644	428	702	625
23	692	221	210	160	160	174	1300	3440	605	510	662	648
24	637	225	210	170	170	178	1410	3440	531	484	634	677
25	613	222	200	170	180	189	1230	3440	477	545	660	669
26	606	210	200	180	180	205	1240	3340	483	610	801	626
27	594	214	200	160	200	206	1350	3240	520	558	869	603
28	594	172	190	160	220	200	1560	2860	534	519	827	618
29	578	122	200	180	---	246	1430	2370	520	477	839	609
30	538	160	180	160	---	338	1340	1970	452	486	728	576
31	486	---	190	170	---	528	---	1980	---	467	616	---
TOTAL	22240	8098	5980	5320	4680	6529	28378	75460	42526	18591	25404	17181
MEAN	717	270	193	172	167	211	946	2434	1418	600	819	573
AC-FT	44110	16060	11860	10550	9280	12950	56290	149700	84350	36880	50390	34080
MAX	1050	462	220	200	220	528	1560	3440	2780	1220	1290	727
MIN	486	122	160	140	140	165	434	1280	452	421	533	433
CAL YR	2005	TOTAL	400177	MEAN	1096	MAX	7200	MIN	122	AC-FT	793800	
WTR YR	2006	TOTAL	260387	MEAN	713	MAX	3440	MIN	122	AC-FT	516500	

MAX DISCH: 3800 CFS AT 06:45 ON May. 25, 2006 GH 3.76 FT. SHIFT 0.03 FT.

MAX GH: 3.76 FT. AT 06:45 ON May. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08220000 RIO GRANDE RIVER NEAR DEL NORTE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08220500 PINOS CREEK NEAR DEL NORTE, CO

LOCATION.--Lat 37°26'51", long 106°27'05", in SW¼SE¼ sec. 29, T.39 N., R.5 E., Rio Grande County, Hydrologic Unit 13010002, on left bank 200 ft. downstream from Bennett Creek and 8.0 mi. southwest of Del Norte, Co.

DRAINAGE AREA.--53 mi².

GAGE.--Graphic water-stage recorder in a 3 ft. by 3 ft. timber shelter and concrete well at a 12 ft. rectangular concrete box control. Sutron satellite monitoring system. Altitude of gage is 8,480 ft. from topographic map.

REMARKS.--Record is complete and reliable except for November 28 through December 12, 2005 when the stilling well was frozen; and December 13, 2005 through March 29, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice November 15-27, 2005. Record is good except for periods of no gage-height and ice affected record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PINDELCO14 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

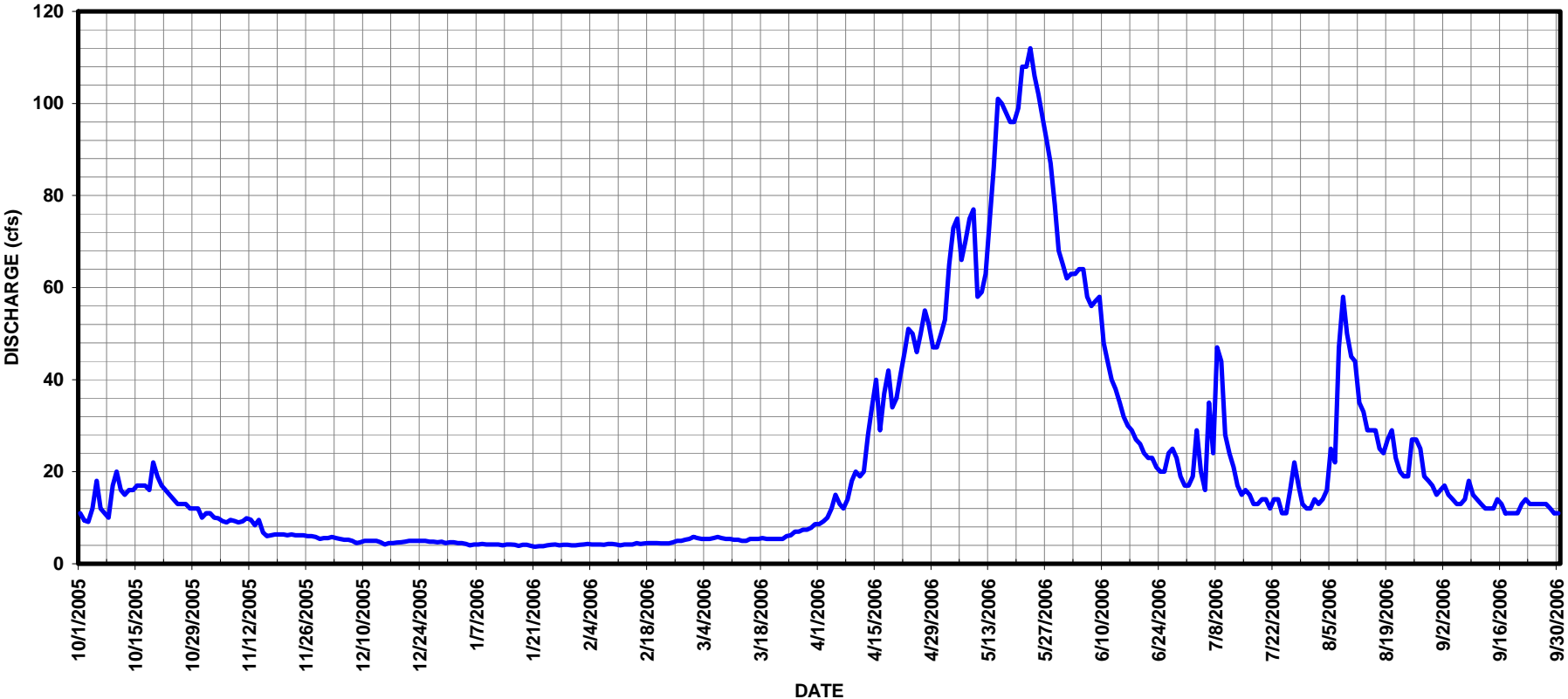
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	5.6	4.7	4.1	5.8	8.6	50	62	17	14	16
2	9.4	11	5.8	4.5	4.2	5.6	9.2	53	63	19	13	17
3	9.1	10	5.6	4.5	4.3	5.4	10	65	63	29	14	15
4	12	9.9	5.4	4.3	4.2	5.4	12	73	64	20	16	14
5	18	9.3	5.2	4.0	4.2	5.4	15	75	64	16	25	13
6	12	9.0	5.2	4.2	4.2	5.6	13	66	58	35	22	13
7	11	9.5	5.0	4.2	4.1	5.8	12	70	56	24	47	14
8	10	9.3	4.5	4.3	4.3	5.6	14	75	57	47	58	18
9	17	9.0	4.7	4.2	4.3	5.4	18	77	58	44	50	15
10	20	9.2	5.0	4.2	4.2	5.4	20	58	48	28	45	14
11	16	9.9	5.0	4.2	4.0	5.2	19	59	44	24	44	13
12	15	9.6	5.0	4.2	4.2	5.2	20	63	40	21	35	12
13	16	8.4	5.0	4.0	4.2	5.0	28	75	38	17	33	12
14	16	9.5	4.7	4.2	4.2	5.0	34	86	35	15	29	12
15	17	6.8	4.2	4.2	4.5	5.4	40	101	32	16	29	14
16	17	6.0	4.5	4.1	4.3	5.4	29	100	30	15	29	13
17	17	6.2	4.5	3.9	4.4	5.4	37	98	29	13	25	11
18	16	6.4	4.6	4.1	4.5	5.6	42	96	27	13	24	11
19	22	6.4	4.7	4.1	4.5	5.4	34	96	26	14	27	11
20	19	6.4	4.8	3.9	4.5	5.4	36	99	24	14	29	11
21	17	6.2	5.0	3.7	4.4	5.4	41	108	23	12	23	13
22	16	6.4	5.0	3.8	4.4	5.4	46	108	23	14	20	14
23	15	6.2	5.0	3.8	4.4	5.4	51	112	21	14	19	13
24	14	6.2	5.0	4.0	4.7	6.0	50	106	20	11	19	13
25	13	6.2	5.0	4.1	5.0	6.2	46	102	20	11	27	13
26	13	6.0	4.8	4.2	5.0	7.0	50	97	24	16	27	13
27	13	6.0	4.8	4.0	5.2	7.0	55	92	25	22	25	13
28	12	5.8	4.7	4.1	5.4	7.4	52	87	23	17	19	12
29	12	5.4	4.8	4.1	---	7.4	47	78	19	13	18	11
30	12	5.6	4.5	4.0	---	7.8	47	68	17	12	17	11
31	10	---	4.7	4.0	---	8.6	---	65	---	12	15	---
TOTAL	447.5	232.8	152.3	127.8	123.9	182.0	935.8	2558	1133	595	837	395
MEAN	14.4	7.76	4.91	4.12	4.43	5.87	31.2	82.5	37.8	19.2	27.0	13.2
AC-FT	888	462	302	253	246	361	1860	5070	2250	1180	1660	783
MAX	22	11	5.8	4.7	5.4	8.6	55	112	64	47	58	18
MIN	9.1	5.4	4.2	3.7	4.0	5.0	8.6	50	17	11	13	11

CAL YR	2005	TOTAL	12384	MEAN	33.9	MAX	321	MIN	3.5	AC-FT	24560
WTR YR	2006	TOTAL	7720.1	MEAN	21.2	MAX	112	MIN	3.7	AC-FT	15310

MAX DISCH: 139 CFS AT 01:00 ON May. 23, 2006 GH 1.56 FT. SHIFT 0.11 FT.
MAX GH: 1.56 FT. AT 01:00 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08220500 PINOS CREEK NEAR DEL NORTE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08221500 RIO GRANDE NEAR MONTE VISTA, CO

LOCATION.--Lat 37°36'34", long 106°08'54", in NW¼SW¼ sec. 19, T.39 N., R.8 E., Rio Grande County, Hydrographic Unit 13010002, on left bank 40 ft. downstream from bridge on U.S. Highway 285, 2.0 mi. north of Monte Vista, and 12 mi. downstream from San Francisco Creek.

DRAINAGE AREA.--1,590 mi².

GAGE.--Graphic water-stage recorder in 48 inch corrugated metal shelter and well. The primary record is a Sutron satellite monitoring system. A tipping bucket rain gauge provided by the National Weather Service was installed and interfaced to satellite monitoring system on Sep. 30, 2004. Datum of gage is 7,654.16 ft., Colorado State Highway Datum.

REMARKS.--Record is complete and reliable except for Dec. 8-15, 2005 when well was frozen and Dec. 16, 2005 through Mar. 3, 2006 when station was closed for winter. Stage-discharge relation was affected by ice Nov. 28, 30, Dec. 1-7, 2005. Record is good except for periods of no gage-height and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOMONCO19 USED FROM 01-OCT-2005 TO 30-SEP-2006

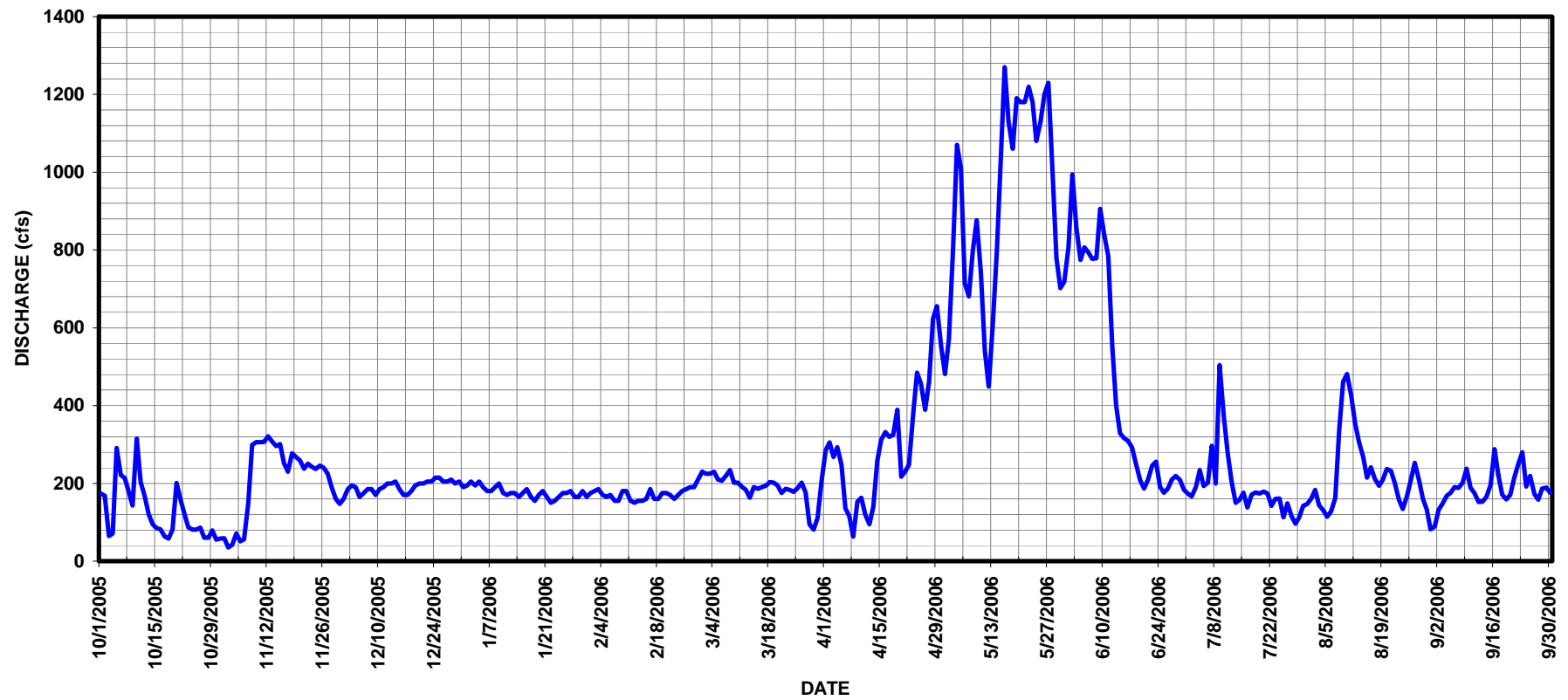
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	59	160	195	175	230	285	481	807	174	161	89
2	168	35	185	205	180	225	305	571	994	167	183	132
3	65	42	195	195	185	225	268	805	859	190	144	148
4	71	71	190	205	170	230	293	1070	774	234	131	168
5	291	51	165	190	165	210	248	1010	807	193	114	176
6	221	56	175	180	170	207	136	714	794	202	128	190
7	214	148	185	180	155	219	116	681	777	297	162	188
8	179	299	185	190	155	234	63	797	779	200	337	202
9	143	306	170	200	180	202	153	876	906	504	461	238
10	315	306	185	175	180	202	163	741	841	372	481	189
11	203	307	190	170	155	191	120	542	784	277	426	175
12	168	321	200	175	150	183	95	449	556	204	354	152
13	120	308	200	175	155	163	140	602	401	150	306	153
14	95	296	205	165	155	190	257	795	329	158	268	165
15	85	301	185	175	160	186	312	1030	316	176	215	196
16	82	252	170	185	185	190	332	1270	309	138	241	288
17	63	230	170	165	160	194	320	1130	292	171	212	222
18	58	277	180	155	160	203	325	1060	248	177	194	171
19	81	268	195	170	175	202	389	1190	208	174	210	159
20	201	259	200	180	175	195	218	1180	187	179	237	171
21	159	238	200	165	170	175	230	1180	209	174	232	214
22	122	251	205	150	160	186	248	1220	246	142	200	251
23	87	243	205	155	170	183	377	1180	256	160	159	280
24	81	237	215	165	180	178	485	1080	192	161	134	192
25	81	246	215	175	185	188	456	1130	176	113	167	219
26	86	240	205	175	190	202	389	1200	187	149	209	173
27	60	225	205	180	190	177	461	1230	210	116	253	158
28	60	188	210	165	210	95	623	1000	219	96	209	187
29	79	160	200	165	---	81	656	779	209	113	161	189
30	55	147	205	180	---	111	554	702	184	142	133	176
31	58	---	190	165	---	205	---	718	---	147	82	---
TOTAL	3925	6367	5945	5470	4800	5862	9017	28413	14056	5850	6904	5611
MEAN	127	212	192	176	171	189	301	917	469	189	223	187
AC-FT	7790	12630	11790	10850	9520	11630	17890	56360	27880	11600	13690	11130
MAX	315	321	215	205	210	234	656	1270	994	504	481	288
MIN	55	35	160	150	150	81	63	449	176	96	82	89
CAL YR 2005	TOTAL	193947	MEAN	531	MAX	3450	MIN	35	AC-FT	384700		
WTR YR 2006	TOTAL	102220	MEAN	280	MAX	1270	MIN	35	AC-FT	202800		

MAX DISCH: 1660 CFS AT 10:00 ON May. 16, 2006 GH 5.14 FT. SHIFT 0.01 FT.
MAX GH: 5.14 FT. AT 10:00 ON May. 16, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08221500 RIO GRANDE NEAR MONTE VISTA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO

LOCATION.--UTM coordinates: 406626 meters Easting, 4158964 meters Northing, Zone 13S, NAD83, in NW ¼ NW ¼ NW ¼ section 1, T38N, R8E, NMPM, Rio Grande County, on left bank approximately 1 mile above bridge on county line road.

DRAINAGE AREA.--1,640 mi².

GAGE.--Primary record generated from electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 42-inch diameter corrugated metal well and shelter. A graphic water-stage recorder is operated as a data backup. Datum of gage is 7,595 feet, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 7-20, 2005, when the well was frozen and Dec. 21, 2005 through Mar. 3, 2006, when station was closed for the winter. The shaft encoder float was installed in oil cylinder Mar. 3, 2006 and was only record until Apr. 13, 2006 when chart recorder was started. Stage-discharge relation was affected by ice Nov. 27 - Dec. 6, 2005. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOLINCO07TMP2 USED FROM 01-OCT-2005 TO 31-DEC-2005
RIOLINCO08 USED FROM 01-JAN-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

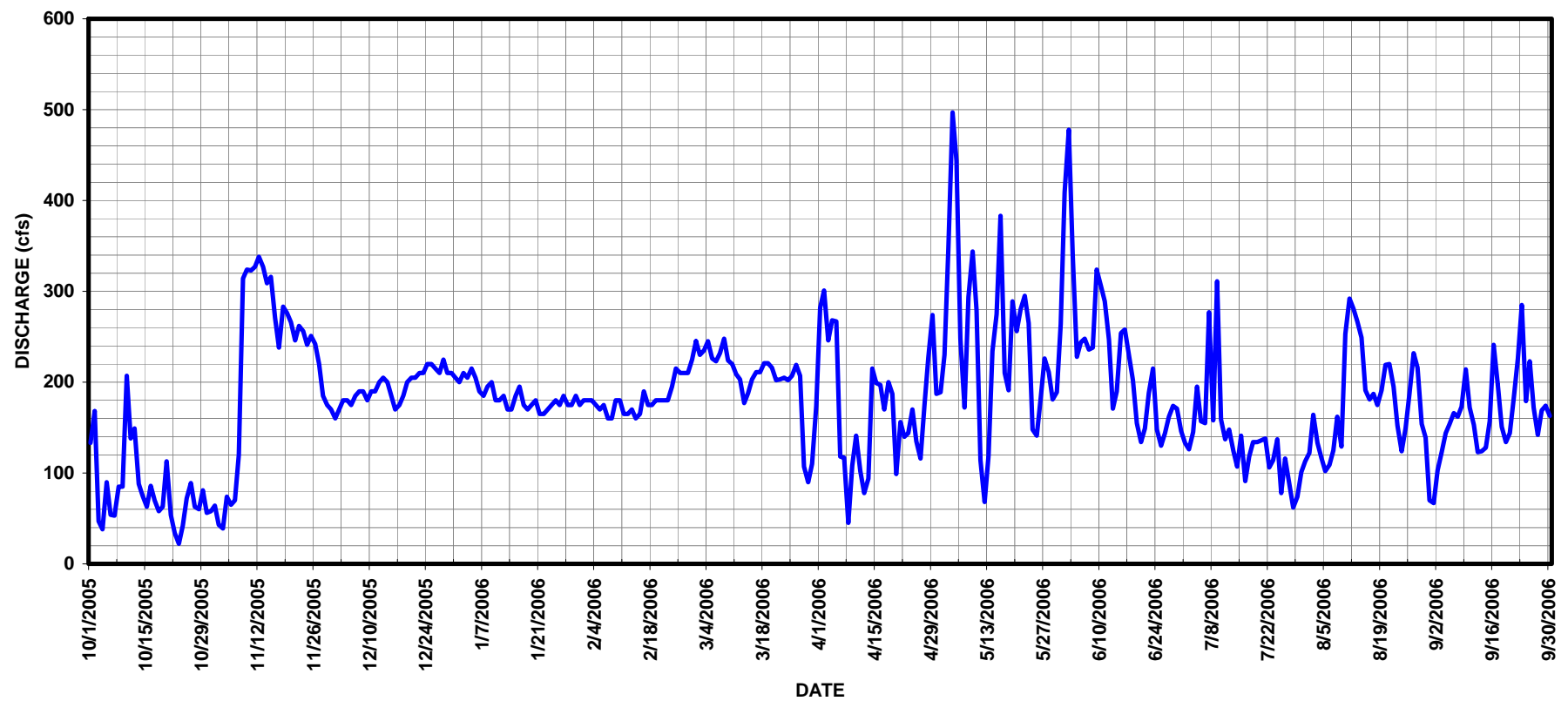
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	64	160	200	180	245	282	189	409	133	122	67
2	168	43	170	210	180	230	301	230	478	126	164	103
3	47	39	180	205	180	235	246	348	340	145	133	122
4	38	74	180	215	175	245	268	497	228	195	117	144
5	90	65	175	205	170	226	267	444	244	157	102	154
6	54	70	185	190	175	223	118	248	248	155	109	166
7	53	120	190	185	160	232	117	172	236	277	125	162
8	85	314	190	195	160	248	45	294	238	158	162	173
9	85	324	180	200	180	224	108	344	324	311	129	214
10	207	323	190	180	180	220	141	279	306	159	253	172
11	138	327	190	180	165	209	102	114	289	137	292	153
12	149	338	200	185	165	203	78	68	247	148	281	123
13	88	327	205	170	170	177	94	119	171	125	267	124
14	75	309	200	170	160	188	215	234	190	107	249	128
15	63	316	185	185	165	203	199	275	254	141	191	157
16	86	271	170	195	190	211	197	383	258	91	181	241
17	70	238	175	175	175	211	170	210	229	118	187	197
18	58	283	185	170	175	221	200	191	202	134	175	151
19	63	276	200	175	180	221	187	289	155	134	191	134
20	113	266	205	180	180	216	99	256	134	136	219	144
21	54	246	205	165	180	202	156	280	149	138	220	182
22	34	262	210	165	180	203	140	295	188	106	195	226
23	22	256	210	170	195	205	144	265	215	114	152	285
24	42	241	220	175	215	202	170	148	148	137	124	179
25	72	251	220	180	210	207	135	141	130	78	149	223
26	89	242	215	175	210	219	116	182	144	116	187	172
27	63	220	210	185	210	207	174	226	162	88	232	142
28	60	185	225	175	225	107	227	211	174	62	216	169
29	81	175	210	175	---	90	274	181	171	74	154	174
30	56	170	210	185	---	110	187	189	146	101	139	163
31	58	---	205	175	---	174	---	264	---	113	70	---
TOTAL	2494	6635	6055	5695	5090	6314	5157	7566	6807	4214	5487	4944
MEAN	80.5	221	195	184	182	204	172	244	227	136	177	165
AC-FT	4950	13160	12010	11300	10100	12520	10230	15010	13500	8360	10880	9810
MAX	207	338	225	215	225	248	301	497	478	311	292	285
MIN	22	39	160	165	160	90	45	68	130	62	70	67

CAL YR	2005	TOTAL	136633	MEAN	374	MAX	2490	MIN	22	AC-FT	271000
WTR YR	2006	TOTAL	66458	MEAN	182	MAX	497	MIN	22	AC-FT	131800

MAX DISCH: 614 CFS AT 13:30 ON May. 4, 2006 GH 4.83 FT. SHIFT 0.03 FT.
MAX GH: 4.83 FT. AT 13:30 ON May. 4, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08223000 RIO GRANDE AT ALAMOSA, CO

LOCATION.--Lat 37°28'51", long 105°52'39", in SE¼NE¼ sec. 4, T. 37 N., R. 10 E., Alamosa County, on left bank 0.3 mile northwest of Adams State College and 9 miles upstream from Alamosa Creek.

DRAINAGE AREA.--1,710 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system with air temperature probe in a 4 ft. by 6 ft. exposed aggregate building with a 4 ft. diameter concrete well. Datum of gage is 7,532.66 ft.

REMARKS.--Record is complete and reliable except for Jan. 21 to Mar. 3, 2006 when floats were affected by ice in well. The stage-discharge relation was affected by ice Nov. 29, 2005 - Jan. 20, 2006. Record is good except for periods of ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOALACO22D USED FROM 01-OCT-2005 TO 30-SEP-2006

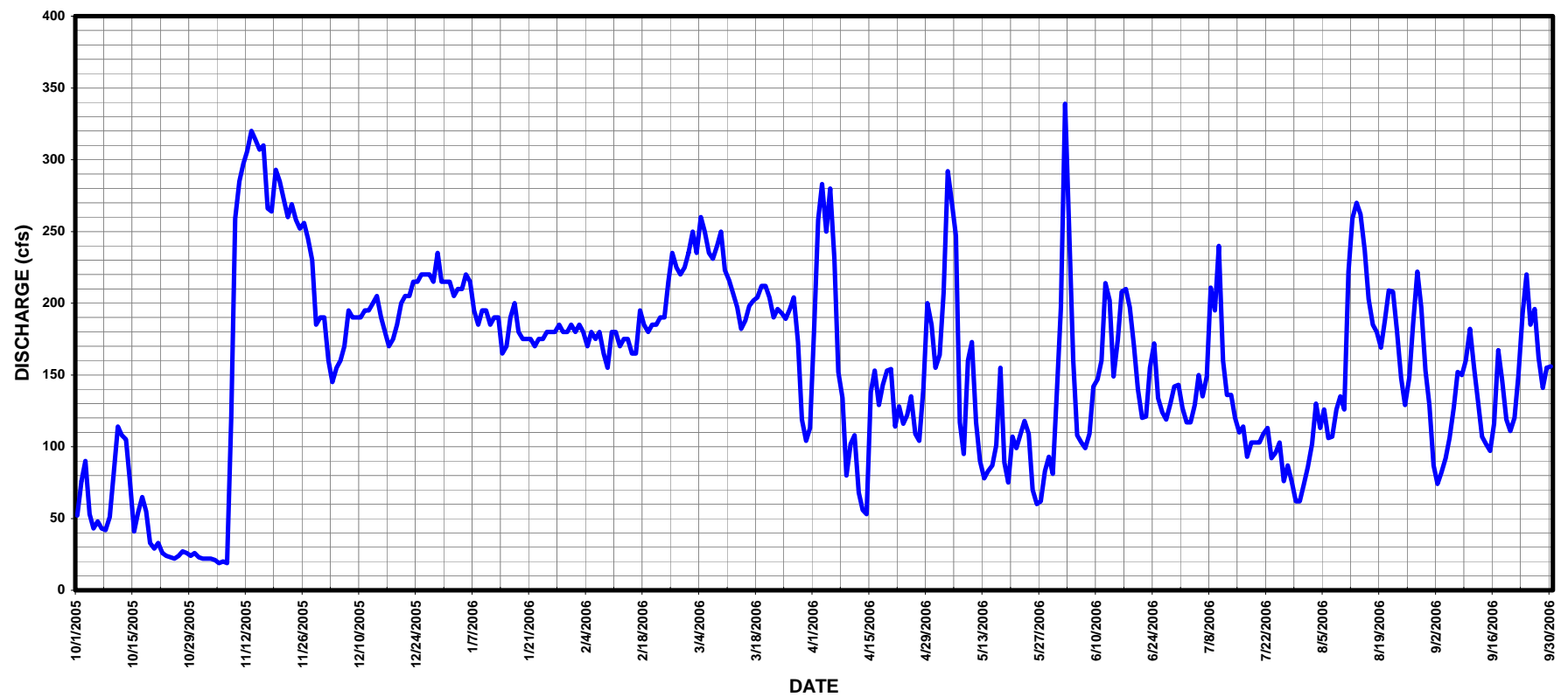
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	22	190	215	180	235	184	155	197	127	86	87
2	76	22	160	205	185	250	258	164	339	117	102	74
3	90	22	145	210	180	235	283	207	254	117	130	82
4	53	21	155	210	170	260	250	292	160	129	113	92
5	43	19	160	220	180	250	280	271	108	150	126	106
6	48	20	170	215	175	235	231	247	103	135	106	127
7	43	19	195	195	180	231	152	117	99	149	107	152
8	42	121	190	185	165	240	134	95	109	211	126	150
9	51	259	190	195	155	250	80	160	142	195	135	160
10	81	285	190	195	180	223	102	173	147	240	126	182
11	114	297	195	185	180	216	108	117	160	160	222	156
12	108	306	195	190	170	207	68	90	214	136	259	131
13	105	320	200	190	175	197	56	78	202	136	270	107
14	76	314	205	165	175	182	53	83	149	120	262	102
15	41	307	190	170	165	188	138	87	174	110	237	97
16	54	310	180	190	165	198	153	101	208	114	203	116
17	65	266	170	200	195	202	129	155	210	93	185	167
18	55	264	175	180	185	204	143	89	197	103	180	146
19	33	293	185	175	180	212	153	75	170	103	169	119
20	29	285	200	175	185	212	154	107	140	103	188	111
21	33	272	205	175	185	204	114	99	120	109	209	120
22	26	260	205	170	190	190	128	109	121	113	208	150
23	24	269	215	175	190	196	116	118	155	92	181	193
24	23	258	215	175	215	193	122	109	172	96	148	220
25	22	252	220	180	235	189	135	70	134	103	129	185
26	24	256	220	180	225	196	109	60	124	76	148	196
27	27	245	220	180	220	204	104	62	119	87	186	162
28	26	230	215	185	225	173	141	83	130	76	222	141
29	24	185	235	180	---	119	200	93	142	62	197	155
30	26	190	215	180	---	104	185	81	143	62	153	156
31	23	---	215	185	---	113	---	140	---	74	129	---
TOTAL	1537	6189	6020	5830	5210	6308	4463	3887	4842	3698	5242	4142
MEAN	49.6	206	194	188	186	203	149	125	161	119	169	138
AC-FT	3050	12280	11940	11560	10330	12510	8850	7710	9600	7330	10400	8220
MAX	114	320	235	220	235	260	283	292	339	240	270	220
MIN	22	19	145	165	155	104	53	60	99	62	86	74
CAL YR 2005	TOTAL	124638	MEAN	341	MAX	1920	MIN	19	AC-FT	247200		
WTR YR 2006	TOTAL	57368	MEAN	157	MAX	339	MIN	19	AC-FT	113800		

MAX DISCH: 416 CFS AT 13:00 ON Jun. 2, 2006 GH 3.69 FT. SHIFT -0.22 FT.
MAX GH: 4.21 FT. AT 16:45 ON Dec. 3, 2005 (Ice affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08223000 RIO GRANDE AT ALAMOSA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA, CO

RIO GRANDE COMPACT STATION

LOCATION.--Lat 37°28'33", long 105°45'58", SW¼SW¼, sec. 3, T.37 N., R.11 E., Alamosa County, Hydrologic Unit 13010002, 400 ft north of State Highway 160, 5.5 mi east of Alamosa, Co. on right bank of Closed Basin Project Canal.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders on Ha and Hb in 8 ft. x 10 ft. steel plated building with concrete stilling wells. Sutron satellite monitoring system operating in conjunction with the graphic recorders. The Bureau of Reclamation owns and operates an independent Sutron system using pressure transducers, a water quality monitor, and temperature sensor which are all collected using a Remote Terminal Unit (R.T.U.).

REMARKS.--Record is complete and reliable except for October 13-18, 20-30, November 2-14, 16-18, 2005, when well was isolated from flume. The stage-discharge relation was affected by ice January 12, 19, and February 18, 2006. Record is good except for periods of no gage-height and ice affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CBPALACO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

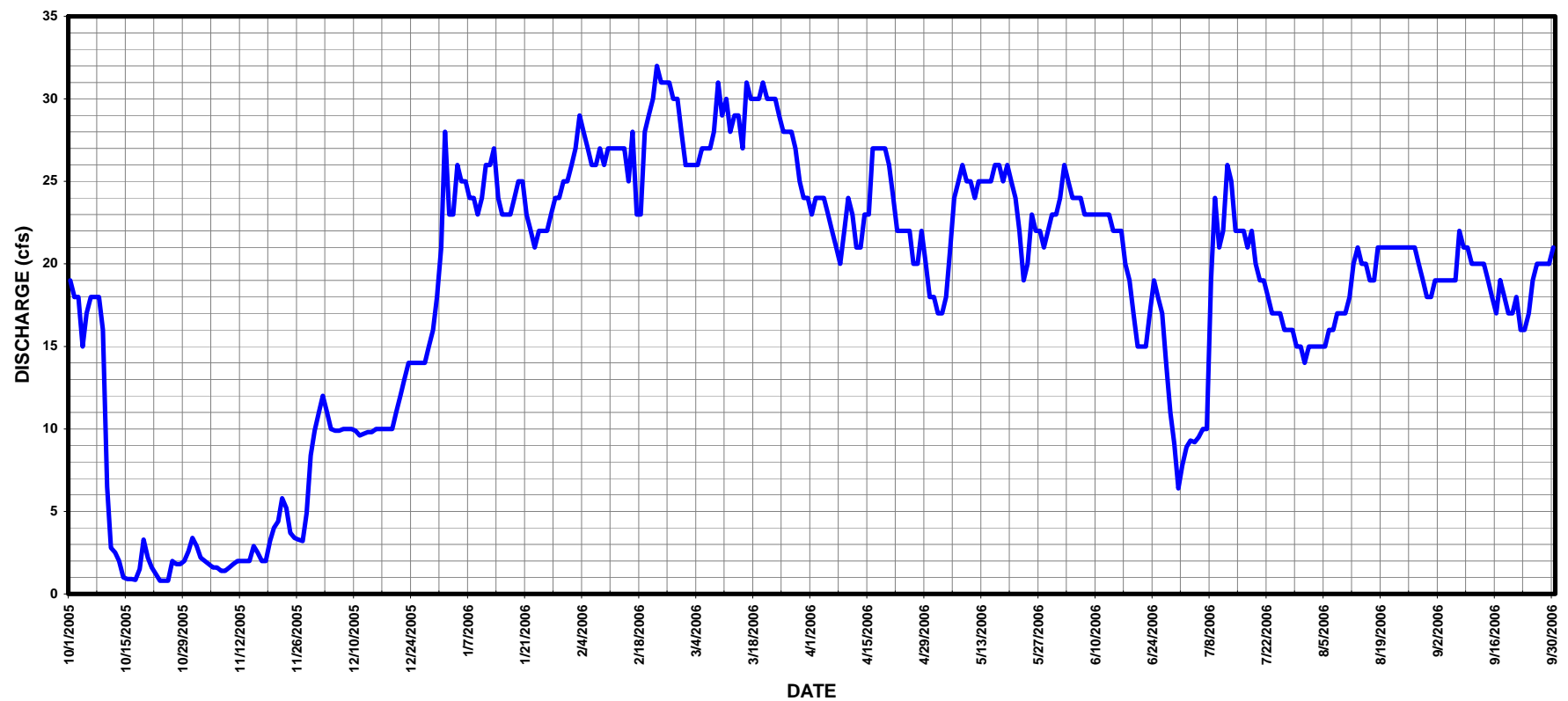
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	2.9	11	28	26	26	23	18	24	7.8	15	19
2	18	2.2	12	23	27	26	24	17	26	8.9	15	19
3	18	2.0	11	23	29	26	24	17	25	9.3	15	19
4	15	1.8	10	26	28	26	24	18	24	9.2	15	19
5	17	1.6	9.9	25	27	27	23	21	24	9.5	15	19
6	18	1.6	9.9	25	26	27	22	24	24	10	16	19
7	18	1.4	10	24	26	27	21	25	23	10	16	22
8	18	1.4	10	24	27	28	20	26	23	19	17	21
9	16	1.6	10	23	26	31	22	25	23	24	17	21
10	6.5	1.8	9.9	24	27	29	24	25	23	21	17	20
11	2.8	2.0	9.6	26	27	30	23	24	23	22	18	20
12	2.5	2.0	9.7	26	27	28	21	25	23	26	20	20
13	2.0	2.0	9.8	27	27	29	21	25	23	25	21	20
14	1.0	2.0	9.8	24	27	29	23	25	22	22	20	19
15	.90	2.9	10	23	25	27	23	25	22	22	20	18
16	.90	2.5	10	23	28	31	27	26	22	22	19	17
17	.85	2.0	10	23	23	30	27	26	20	21	19	19
18	1.5	2.0	10	24	23	30	27	25	19	22	21	18
19	3.3	3.2	10	25	28	30	27	26	17	20	21	17
20	2.2	4.0	11	25	29	31	26	25	15	19	21	17
21	1.6	4.4	12	23	30	30	24	24	15	19	21	18
22	1.2	5.8	13	22	32	30	22	22	15	18	21	16
23	.80	5.2	14	21	31	30	22	19	17	17	21	16
24	.80	3.7	14	22	31	29	22	20	19	17	21	17
25	.80	3.4	14	22	31	28	22	23	18	17	21	19
26	2.0	3.3	14	22	30	28	20	22	17	16	21	20
27	1.8	3.2	14	23	30	28	20	22	14	16	21	20
28	1.8	4.9	15	24	28	27	22	21	11	16	20	20
29	2.0	8.4	16	24	---	25	20	22	9.1	15	19	20
30	2.6	9.9	18	25	---	24	18	23	6.4	15	18	21
31	3.4	---	21	25	---	24	---	23	---	14	18	---
TOTAL	200.25	95.1	368.6	744	776	871	684	709	586.5	529.7	580	570
MEAN	6.46	3.17	11.9	24.0	27.7	28.1	22.8	22.9	19.6	17.1	18.7	19.0
AC-FT	397	189	731	1480	1540	1730	1360	1410	1160	1050	1150	1130
MAX	19	9.9	21	28	32	31	27	26	26	26	21	22
MIN	.80	1.4	9.6	21	23	24	18	17	6.4	7.8	15	16

CAL YR	2005	TOTAL	6788.95	MEAN	18.6	MAX	32	MIN	.8	AC-FT	13470
WTR YR	2006	TOTAL	6714.15	MEAN	18.4	MAX	32	MIN	.8	AC-FT	13320

MAX DISCH: 33.4 CFS AT 03:00 ON Feb. 22, 2006 GH 0.80 FT. SHIFT 0.01 FT.
MAX GH: 0.95 FT. AT 22:15 ON Jan. 12, 2006 (Ice Affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

CLOSED BASIN PROJECT CANAL NEAR ALAMOSA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08224500 KERBER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°13'13", long 106°05'20", in SW¼SE¼, sec. 21, T. 46 N., R. 8 E., Saguache County, on left bank 7 miles west of Villa Grove.

DRAINAGE AREA AND PERIOD OF RECORD.--45.4 mi² (revised). (approx.) Originally established with staff gage only in 1911. Station at various locations from that time.

GAGE.--Graphic water-stage recorder and Sutron satellite system in a 6' by 6' exposed aggregate gage and 4' diameter concrete well at a concrete ramp flume. Full station name: Kerber Creek above Little Kerber Creek near Villa Grove, CO. Altitude of gage is 8,840 ft. from topographic map.

REMARKS.--Record is complete and reliable for except for December 8-24, 2005 when well was frozen, and January 17, 18, 2006 when satellite data was missing and recorder not operating. Stage-discharge relation was affected by ice November 15-30, December 1-7, 25-31, 2005, January 1-16, 19-31, February 1-28, March 1-31, and April 3-13, 2006. The record is good except for periods of no gage-height and ice affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--KERVILCO18 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

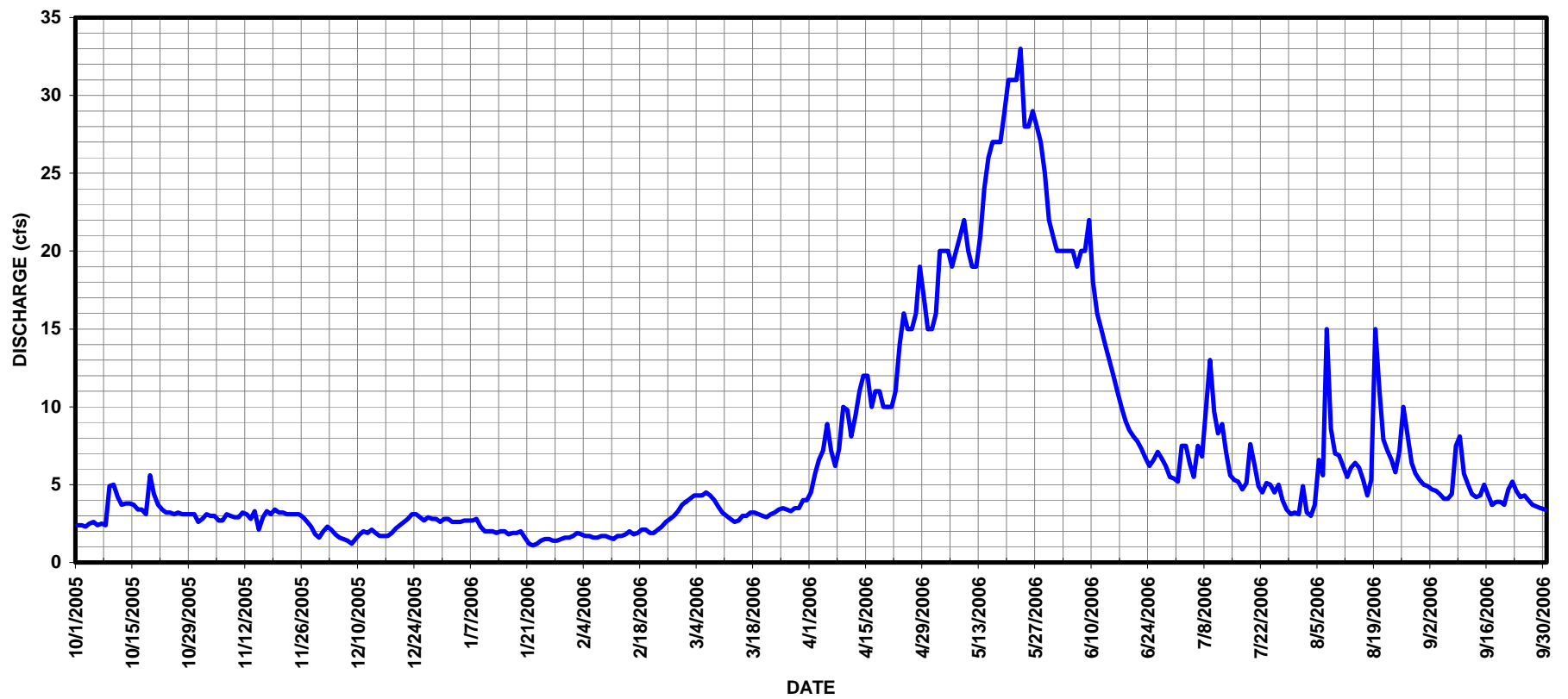
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	2.8	2.0	2.8	1.7	3.9	4.5	15	20	5.2	4.9	4.9
2	2.4	3.1	2.3	2.6	1.9	4.1	5.7	16	20	7.5	3.2	4.7
3	2.3	3.0	2.1	2.6	1.8	4.3	6.6	20	20	7.5	3.0	4.6
4	2.5	3.0	1.8	2.6	1.7	4.3	7.2	20	20	6.3	3.7	4.4
5	2.6	2.7	1.6	2.7	1.7	4.3	8.9	20	20	5.5	6.6	4.1
6	2.4	2.7	1.5	2.7	1.6	4.5	7.2	19	19	7.5	5.6	4.1
7	2.5	3.1	1.4	2.7	1.6	4.3	6.2	20	20	6.8	15	4.4
8	2.4	3.0	1.2	2.8	1.7	4.0	7.3	21	20	9.8	8.6	7.5
9	4.9	2.9	1.5	2.3	1.7	3.6	10	22	22	13	7.0	8.1
10	5.0	2.9	1.8	2.0	1.6	3.2	9.8	20	18	9.7	6.9	5.7
11	4.2	3.2	2.0	2.0	1.5	3.0	8.1	19	16	8.3	6.2	5.0
12	3.7	3.1	1.9	2.0	1.7	2.8	9.4	19	15	8.9	5.5	4.4
13	3.8	2.8	2.1	1.9	1.7	2.6	11	21	14	7.1	6.1	4.2
14	3.8	3.3	1.9	2.0	1.8	2.7	12	24	13	5.6	6.4	4.3
15	3.7	2.1	1.7	2.0	2.0	3.0	12	26	12	5.3	6.1	5.0
16	3.4	2.9	1.7	1.8	1.8	3.0	10	27	11	5.2	5.3	4.3
17	3.4	3.3	1.7	1.9	1.9	3.2	11	27	10	4.7	4.3	3.7
18	3.1	3.1	1.9	1.9	2.1	3.2	11	27	9.1	5.1	5.3	3.9
19	5.6	3.4	2.2	2.0	2.1	3.1	10	29	8.5	7.6	15	3.9
20	4.4	3.2	2.4	1.6	1.9	3.0	10	31	8.1	6.3	11	3.7
21	3.7	3.2	2.6	1.2	1.9	2.9	10	31	7.8	4.9	7.9	4.7
22	3.4	3.1	2.8	1.1	2.1	3.1	11	31	7.3	4.5	7.2	5.2
23	3.2	3.1	3.1	1.2	2.3	3.2	14	33	6.7	5.1	6.6	4.6
24	3.2	3.1	3.1	1.4	2.6	3.4	16	28	6.2	5.0	5.8	4.2
25	3.1	3.1	2.9	1.5	2.8	3.5	15	28	6.6	4.5	7.2	4.3
26	3.2	2.9	2.7	1.5	3.0	3.4	15	29	7.1	5.0	10	4.0
27	3.1	2.6	2.9	1.4	3.3	3.3	16	28	6.7	4.0	8.2	3.7
28	3.1	2.3	2.8	1.4	3.7	3.5	19	27	6.2	3.4	6.4	3.6
29	3.1	1.8	2.8	1.5	---	3.5	17	25	5.5	3.1	5.7	3.5
30	3.1	1.6	2.6	1.6	---	4.0	15	22	5.4	3.2	5.3	3.4
31	2.6	---	2.8	1.6	---	4.0	---	21	---	3.1	5.0	---
TOTAL	103.3	86.4	67.8	60.3	57.2	107.9	325.9	746	381.2	188.7	211.0	136.1
MEAN	3.33	2.88	2.19	1.95	2.04	3.48	10.9	24.1	12.7	6.09	6.81	4.54
AC-FT	205	171	134	120	113	214	646	1480	756	374	419	270
MAX	5.6	3.4	3.1	2.8	3.7	4.5	19	33	22	13	15	8.1
MIN	2.3	1.6	1.2	1.1	1.5	2.6	4.5	15	5.4	3.1	3.0	3.4

CAL YR	2005	TOTAL	3441.1	MEAN	9.43	MAX	82	MIN	1.2	AC-FT	6830
WTR YR	2006	TOTAL	2471.8	MEAN	6.77	MAX	33	MIN	1.1	AC-FT	4900

MAX DISCH: 39.6 CFS AT 00:15 ON May. 23, 2006 GH 1.16 FT. SHIFT 0.01 FT.
MAX GH: 1.45 FT. AT 09:15 ON Mar. 14, 2006 (Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08224500 KERBER CREEK NEAR VILLA GROVE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

GARNER CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°10'27", long 105°48'29", in SE ¼ SE ¼ Sec. 1, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 12 miles SE of Villa Grove.

DRAINAGE AREA.--6.4 mi².

GAGE.--Stilling well of 2-foot diameter steel culvert pipe installed in 1999 water year. Instrument shelter is small steel box-type shelter atop well. Contact to stream is a 1-inch intake pipe attached to both stilling well and 2-foot Parshall flume. Flume and staff gage have been at this site many years. Shelter is equipped with a Sutron data logger/transmitter and digital shaft encoder that is set by an outside staff gage. Elevation 8680 ft.

REMARKS.--Record is complete and reliable for the water year, except for Nov. 29, 2005 through Mar. 24, 2006 when the well was frozen, Aug. 27-31, Sep. 1, 12-26, 2006 when the inlet was plugged. Stage-discharge relation was affected by ice Nov. 27, 28, 2005. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--GARVILCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.3	2.1	2.0	1.8	2.1	1.8	1.8	1.5	1.2	1.5	1.5
2	2.2	2.3	2.2	2.0	1.8	2.1	1.8	1.7	1.5	1.2	1.5	1.5
3	2.2	2.3	2.1	2.0	1.8	2.1	1.7	1.6	1.5	1.5	1.5	1.4
4	2.3	2.3	2.0	2.0	1.8	2.0	1.7	1.6	1.4	1.5	1.5	1.4
5	2.2	2.3	1.9	2.0	1.8	2.0	1.8	1.6	1.4	1.4	1.7	1.5
6	2.2	2.3	1.9	2.0	1.8	2.0	1.7	1.6	1.4	1.4	1.7	1.5
7	2.3	2.3	1.8	2.0	1.8	1.9	1.7	1.5	1.5	1.3	1.6	1.4
8	2.2	2.3	1.7	2.0	1.8	1.8	1.7	1.5	1.5	1.6	1.5	1.6
9	2.5	2.3	1.7	1.9	1.8	1.7	1.7	1.5	1.6	1.8	1.5	1.5
10	2.3	2.3	1.7	1.8	1.7	1.6	1.7	1.5	1.5	1.6	1.5	1.4
11	2.3	2.3	1.8	1.8	1.7	1.6	1.7	1.5	1.4	1.4	1.5	1.4
12	2.3	2.3	1.9	1.8	1.7	1.6	1.8	1.5	1.4	1.4	1.4	1.5
13	2.3	2.3	1.9	1.8	1.7	1.5	1.8	1.5	1.3	1.3	1.5	1.5
14	2.3	2.3	1.9	1.8	1.8	1.5	1.9	1.5	1.4	1.3	1.4	1.5
15	2.3	2.3	1.8	1.8	1.9	1.6	2.0	1.5	1.4	1.3	1.5	1.5
16	2.3	2.2	1.8	1.8	1.9	1.7	1.9	1.5	1.5	1.4	1.6	1.4
17	2.2	2.2	1.8	1.8	1.9	1.8	1.9	1.5	1.4	1.5	1.5	1.4
18	2.3	2.2	1.9	1.8	1.9	1.8	1.8	1.5	1.4	1.5	1.5	1.4
19	2.5	2.2	1.9	1.8	1.9	1.7	1.8	1.4	1.3	1.5	1.5	1.4
20	2.5	2.2	2.0	1.7	1.9	1.7	1.8	1.4	1.3	1.5	1.6	1.4
21	2.4	2.2	2.0	1.7	1.8	1.6	1.8	1.4	1.3	1.5	1.6	1.5
22	2.3	2.2	2.0	1.6	1.8	1.6	1.8	1.5	1.3	1.5	1.5	1.5
23	2.3	2.2	2.1	1.6	1.8	1.6	1.7	1.6	1.3	1.6	1.5	1.5
24	2.3	2.2	2.1	1.6	1.8	1.7	1.7	1.5	1.3	1.7	1.5	1.5
25	2.3	2.2	2.1	1.7	1.8	1.7	1.7	1.5	1.3	1.7	1.6	1.5
26	2.3	2.2	2.1	1.7	1.9	1.7	1.7	1.5	1.3	1.6	1.6	1.5
27	2.2	2.1	2.0	1.8	2.0	1.7	1.7	1.5	1.3	1.6	1.6	1.6
28	2.2	2.1	2.0	1.8	2.1	1.7	1.7	1.4	1.3	1.5	1.6	1.7
29	2.2	2.1	2.0	1.8	---	1.7	1.7	1.5	1.3	1.5	1.5	1.6
30	2.2	2.1	2.0	1.8	---	1.7	1.7	1.5	1.2	1.5	1.5	1.6
31	2.3	---	2.0	1.8	---	1.6	---	1.5	---	1.5	1.5	---
TOTAL	70.9	67.1	60.2	56.5	51.2	54.1	52.9	47.1	41.5	45.8	47.5	44.6
MEAN	2.29	2.24	1.94	1.82	1.83	1.75	1.76	1.52	1.38	1.48	1.53	1.49
AC-FT	141	133	119	112	102	107	105	93	82	91	94	88
MAX	2.5	2.3	2.2	2.0	2.1	2.1	2.0	1.8	1.6	1.8	1.7	1.7
MIN	2.2	2.1	1.7	1.6	1.7	1.5	1.7	1.4	1.2	1.2	1.4	1.4

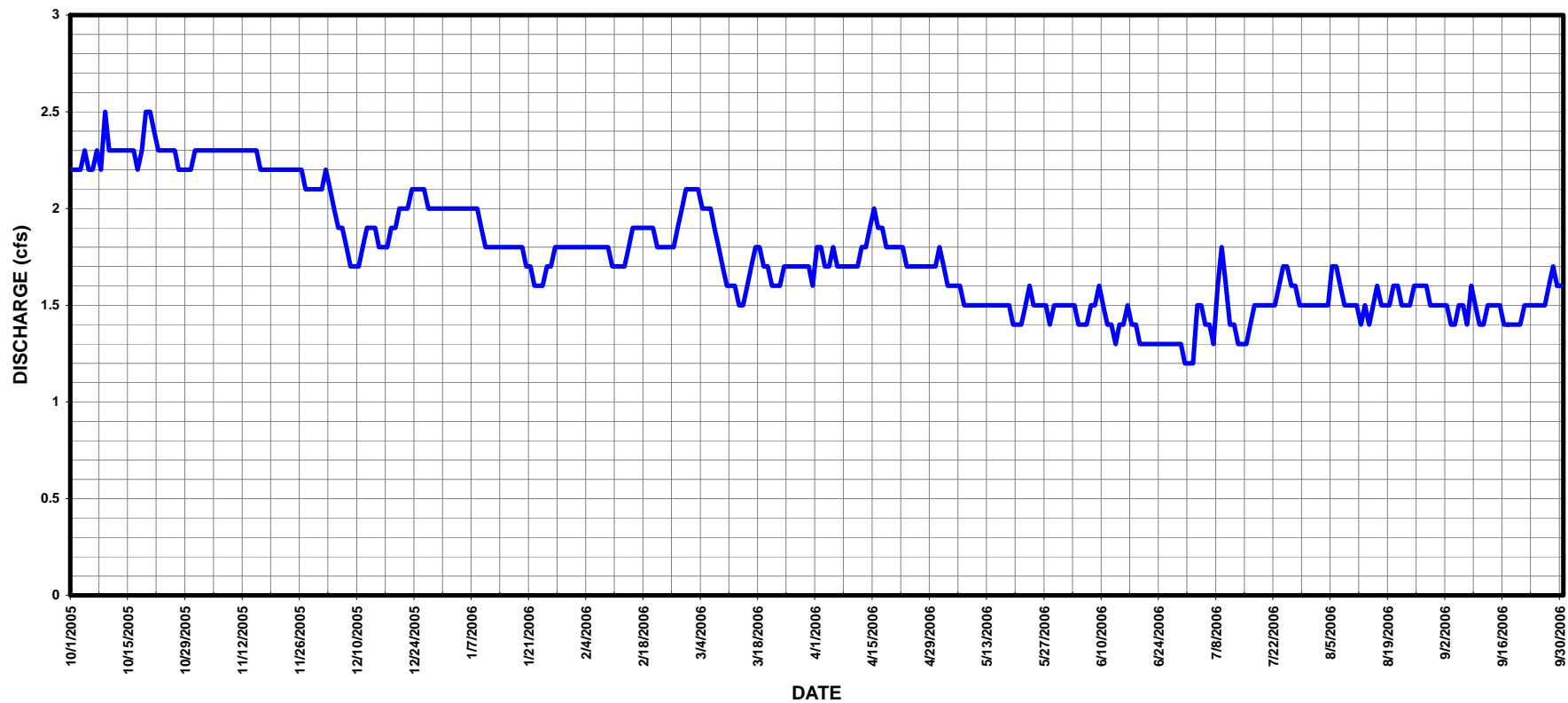
CAL YR	2005	TOTAL	876.2	MEAN	2.40	MAX	7.8	MIN	1.2	AC-FT	1740
WTR YR	2006	TOTAL	639.4	MEAN	1.75	MAX	2.5	MIN	1.2	AC-FT	1270

MAX DISCH: 3.08 CFS AT 18:00 ON Oct. 9, 2005 GH 0.52 FT. SHIFT 0.02 FT.

MAX GH: 0.69 FT. AT 09:45 ON Nov. 28, 2005 (Ice Affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

GARNER CREEK NEAR VILLA GROVE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

MAJOR CREEK NEAR VILLA GROVE, CO

LOCATION.--Lat 38°09'26", long 105°48'32", in NE ¼ NE ¼ Sec. 13, T.45 N., R.10 E., NMPM, Saguache Co., on right bank, 11 miles SE of Villa Grove.

DRAINAGE AREA.--5.0 mi².

GAGE.--Station established in water year 1999 with installation of 2' diameter CMP as stilling well with a steel equipment box mounted on top at a 2' Parshall flume. Flume already at the site. Satellite monitoring equipment installed Dec. 1998 but gage not operational till Mar. 21, 1999. Elevation of gage is 8410 ft.

REMARKS.--Record is complete and reliable except for Nov. 29, 2005 through Mar. 24, 2006 when the well was frozen. Stage-discharge relation was affected by ice Nov. 28, 2005. Record good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--MAJVILCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

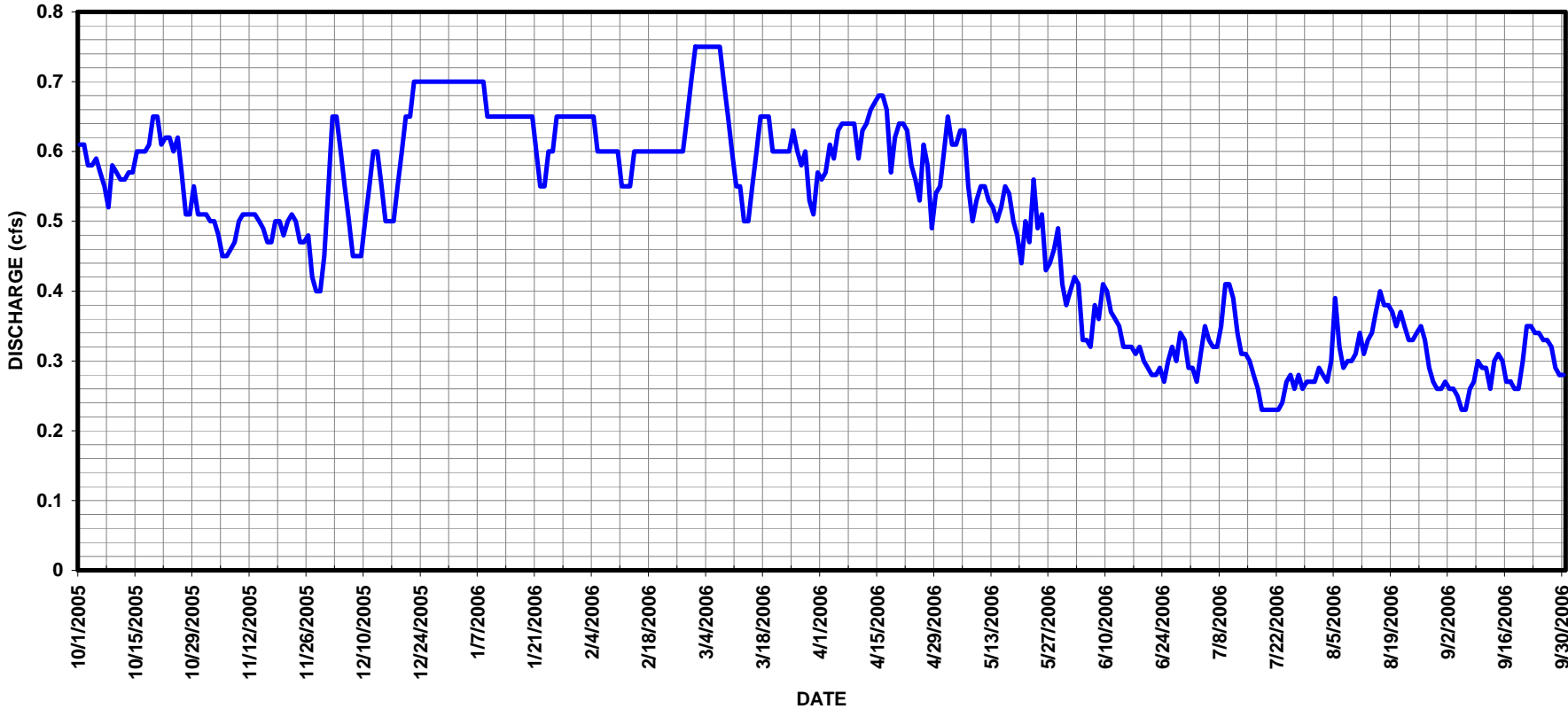
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.51	.55	.70	.65	.75	.56	.60	.40	.29	.29	.27
2	.61	.50	.65	.70	.65	.75	.57	.65	.42	.27	.28	.26
3	.58	.50	.65	.70	.65	.75	.61	.61	.41	.31	.27	.26
4	.58	.48	.60	.70	.65	.75	.59	.61	.33	.35	.30	.25
5	.59	.45	.55	.70	.60	.75	.63	.63	.33	.33	.39	.23
6	.57	.45	.50	.70	.60	.75	.64	.63	.32	.32	.32	.23
7	.55	.46	.45	.70	.60	.75	.64	.55	.38	.32	.29	.26
8	.52	.47	.45	.70	.60	.70	.64	.50	.36	.35	.30	.27
9	.58	.50	.45	.65	.60	.65	.64	.53	.41	.41	.30	.30
10	.57	.51	.50	.65	.60	.60	.59	.55	.40	.41	.31	.29
11	.56	.51	.55	.65	.55	.55	.63	.55	.37	.39	.34	.29
12	.56	.51	.60	.65	.55	.55	.64	.53	.36	.34	.31	.26
13	.57	.51	.60	.65	.55	.50	.66	.52	.35	.31	.33	.30
14	.57	.50	.55	.65	.60	.50	.67	.50	.32	.31	.34	.31
15	.60	.49	.50	.65	.60	.55	.68	.52	.32	.30	.37	.30
16	.60	.47	.50	.65	.60	.60	.68	.55	.32	.28	.40	.27
17	.60	.47	.50	.65	.60	.65	.66	.54	.31	.26	.38	.27
18	.61	.50	.55	.65	.60	.65	.57	.50	.32	.23	.38	.26
19	.65	.50	.60	.65	.60	.65	.62	.48	.30	.23	.37	.26
20	.65	.48	.65	.65	.60	.60	.64	.44	.29	.23	.35	.30
21	.61	.50	.65	.60	.60	.60	.64	.50	.28	.23	.37	.35
22	.62	.51	.70	.55	.60	.60	.63	.47	.28	.23	.35	.35
23	.62	.50	.70	.55	.60	.60	.58	.56	.29	.24	.33	.34
24	.60	.47	.70	.60	.60	.60	.56	.49	.27	.27	.33	.34
25	.62	.47	.70	.60	.60	.63	.53	.51	.30	.28	.34	.33
26	.57	.48	.70	.65	.60	.60	.61	.43	.32	.26	.35	.33
27	.51	.42	.70	.65	.65	.58	.58	.44	.30	.28	.33	.32
28	.51	.40	.70	.65	.70	.60	.49	.46	.34	.26	.29	.29
29	.55	.40	.70	.65	---	.53	.54	.49	.33	.27	.27	.28
30	.51	.45	.70	.65	---	.51	.55	.41	.29	.27	.26	.28
31	.51	---	.70	.65	---	.57	---	.38	---	.27	.26	---
TOTAL	17.96	14.37	18.60	20.20	17.00	19.42	18.27	16.13	10.02	9.10	10.10	8.65
MEAN	.58	.48	.60	.65	.61	.63	.61	.52	.33	.29	.33	.29
AC-FT	36	29	37	40	34	39	36	32	20	18	20	17
MAX	.65	.51	.70	.70	.70	.75	.68	.65	.42	.41	.40	.35
MIN	.51	.40	.45	.55	.55	.50	.49	.38	.27	.23	.26	.23

CAL YR	2005	TOTAL	354.84	MEAN	.97	MAX	3.1	MIN	.35	AC-FT	704
WTR YR	2006	TOTAL	179.82	MEAN	.49	MAX	.75	MIN	.23	AC-FT	357

MAX DISCH: 2.16 CFS AT 18:00 ON Aug. 5, 2006 GH 0.40 FT. SHIFT 0.03 FT.
MAX GH: 0.40 FT. AT 18:00 ON Aug. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

MAJOR CREEK NEAR VILLA GROVE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

COTTON CREEK NEAR MINERAL HOT SPRINGS, CO

LOCATION.--Lat 38°07'55", long 105°47'15", in SW ¼ NE ¼ Sec. 15, T.45 N., R.11 E., NMPM, Saguache Co., on left bank, 9 miles SE of Mineral Hot Springs.

DRAINAGE AREA.--12.8 mi².

GAGE.--A Sutron shaft encoder and data collection platform (DCP) is the primary record. A strip chart recorder is used as a back-up. Both are set by tape and weight from a reference point set in the shelf. Gage consists of a 4-foot diameter culvert pipe well and shelter. Elevation of gage is 8600 ft.

REMARKS.--Record is complete and reliable except for December 6, 2005 through March 23, 2006 when the station was closed for the winter, November 27-30, December 1-5, 2005 when the well was frozen, and August 7-22, 2006 when the inlets were plugged. Record is good, except for periods of no gage height, which is poor. The period of Aug. 7-22 when the inlets were plugged, was estimated from one measurement and the nearby gage record of Rito Alto Creek and should be considered poor. The peak gage height and maximum discharge were based on the chart record gage height at the last assumed correct gage height prior to entering into this period of poor record; therefore, these values should also be considered poor due to the lack of record for this period. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRMICO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

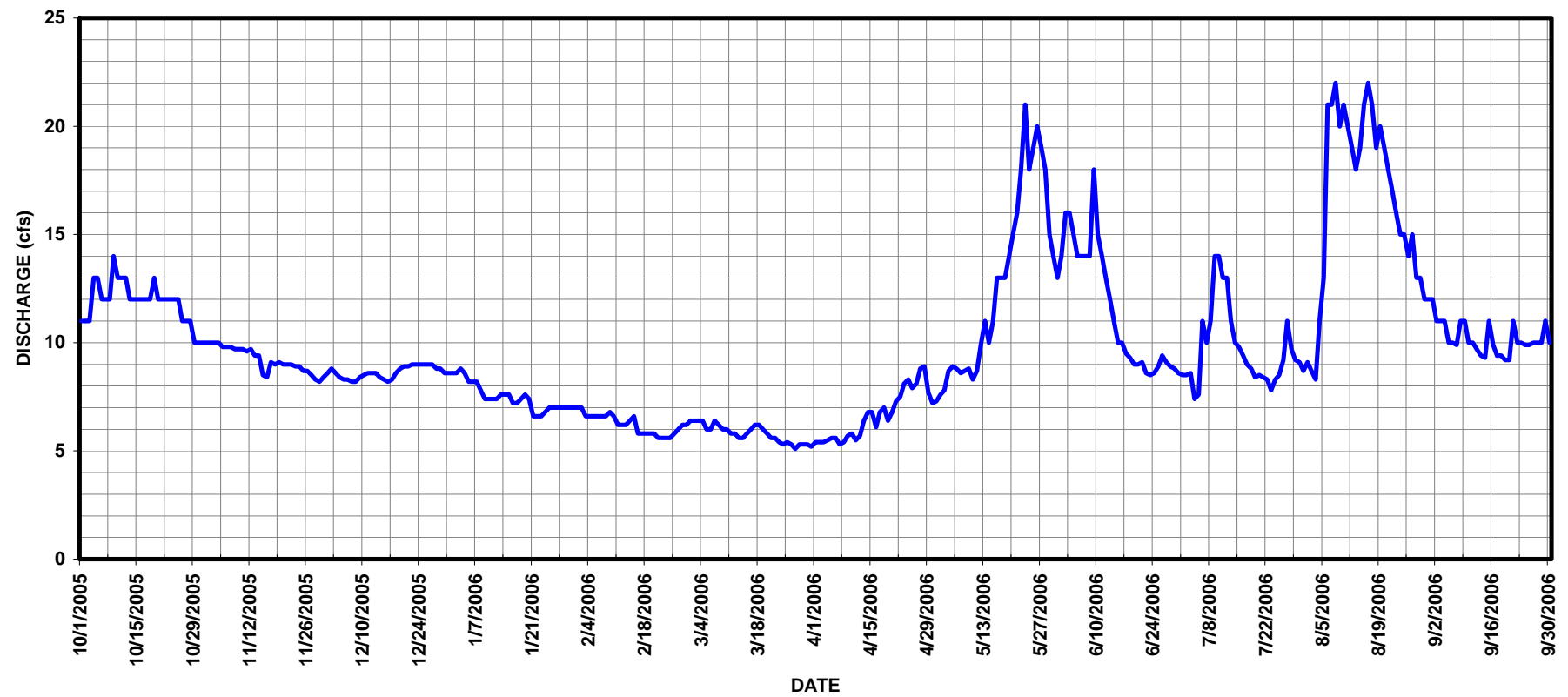
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	8.6	8.6	7.0	6.4	5.4	7.3	14	8.5	9.1	12
2	11	10	8.8	8.6	7.0	6.4	5.4	7.6	16	8.5	8.7	11
3	11	10	8.6	8.8	6.6	6.4	5.4	7.8	16	8.6	8.3	11
4	13	10	8.4	8.6	6.6	6.4	5.5	8.7	15	7.4	11	11
5	13	9.8	8.3	8.2	6.6	6.0	5.6	8.9	14	7.6	13	10
6	12	9.8	8.3	8.2	6.6	6.0	5.6	8.8	14	11	21	10
7	12	9.8	8.2	8.2	6.6	6.4	5.3	8.6	14	10	21	9.9
8	12	9.7	8.2	7.8	6.6	6.2	5.4	8.7	14	11	22	11
9	14	9.7	8.4	7.4	6.8	6.0	5.7	8.8	18	14	20	11
10	13	9.7	8.5	7.4	6.6	6.0	5.8	8.3	15	14	21	10
11	13	9.6	8.6	7.4	6.2	5.8	5.5	8.7	14	13	20	10
12	13	9.7	8.6	7.4	6.2	5.8	5.7	9.9	13	13	19	9.7
13	12	9.4	8.6	7.6	6.2	5.6	6.4	11	12	11	18	9.4
14	12	9.4	8.4	7.6	6.4	5.6	6.8	10	11	10	19	9.3
15	12	8.5	8.3	7.6	6.6	5.8	6.8	11	10	9.8	21	11
16	12	8.4	8.2	7.2	5.8	6.0	6.1	13	10	9.4	22	9.9
17	12	9.1	8.3	7.2	5.8	6.2	6.8	13	9.5	9.0	21	9.4
18	12	9.0	8.6	7.4	5.8	6.2	7.0	13	9.3	8.8	19	9.4
19	13	9.1	8.8	7.6	5.8	6.0	6.4	14	9.0	8.4	20	9.2
20	12	9.0	8.9	7.4	5.8	5.8	6.8	15	9.0	8.5	19	9.2
21	12	9.0	8.9	6.6	5.6	5.6	7.3	16	9.1	8.4	18	11
22	12	9.0	9.0	6.6	5.6	5.6	7.5	18	8.6	8.3	17	10
23	12	8.9	9.0	6.6	5.6	5.4	8.1	21	8.5	7.8	16	10
24	12	8.9	9.0	6.8	5.6	5.3	8.3	18	8.6	8.3	15	9.9
25	12	8.7	9.0	7.0	5.8	5.4	7.9	19	8.9	8.5	15	9.9
26	11	8.7	9.0	7.0	6.0	5.3	8.1	20	9.4	9.2	14	10
27	11	8.5	9.0	7.0	6.2	5.1	8.8	19	9.1	11	15	10
28	11	8.3	8.8	7.0	6.2	5.3	8.9	18	8.9	9.7	13	10
29	10	8.2	8.8	7.0	---	5.3	7.7	15	8.8	9.2	13	11
30	10	8.4	8.6	7.0	---	5.3	7.2	14	8.6	9.1	12	10
31	10	---	8.6	7.0	---	5.2	---	13	---	8.7	12	---
TOTAL	368	276.3	267.3	231.8	174.2	179.8	199.2	393.1	345.3	299.7	513.1	305.2
MEAN	11.9	9.21	8.62	7.48	6.22	5.80	6.64	12.7	11.5	9.67	16.6	10.2
AC-FT	730	548	530	460	346	357	395	780	685	594	1020	605
MAX	14	10	9.0	8.8	7.0	6.4	8.9	21	18	14	22	12
MIN	10	8.2	8.2	6.6	5.6	5.1	5.3	7.3	8.5	7.4	8.3	9.2

CAL YR	2005	TOTAL	4883.4	MEAN	13.4	MAX	62	MIN	4.8	AC-FT	9690
WTR YR	2006	TOTAL	3553.0	MEAN	9.73	MAX	22	MIN	5.1	AC-FT	7050

MAX DISCH: 46.4 CFS AT 21:15 ON Aug. 7, 2006 GH 3.12 FT. SHIFT -0.38 FT.
MAX GH: 3.12 FT. AT 21:15 ON Aug. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

COTTON CREEK NEAR MINERAL HOT SPRINGS CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILD CHERRY CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°06'01", long 105°46'04", SW ¼ SW ¼ Sec. 33, T.45 N., R.11 E., NMPM, Saguache Co., on right bank, 12 miles SE of Mineral Hot Springs, 8 Miles NW of Crestone.

DRAINAGE AREA.--4.5 mi².

GAGE.--Station established in water year 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed Mar. 25, 1999 with chart recorder added on Apr. 28, 1999 as a backup. Elevation of gage is 8560 ft.

REMARKS.--Record complete and reliable except for Nov. 6-8, 2005, when the inlets were plugged and the well was isolated from the stream, Nov. 29 through Dec. 5, 2005, when the well was frozen, and Dec. 6, 2005 through Mar. 23, 2006, when station was closed for the winter. Stage-discharge relationship was affected by ice Nov. 15-28, 2005. Record is fair except for periods of no gage-height and ice affected record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CHECRECO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

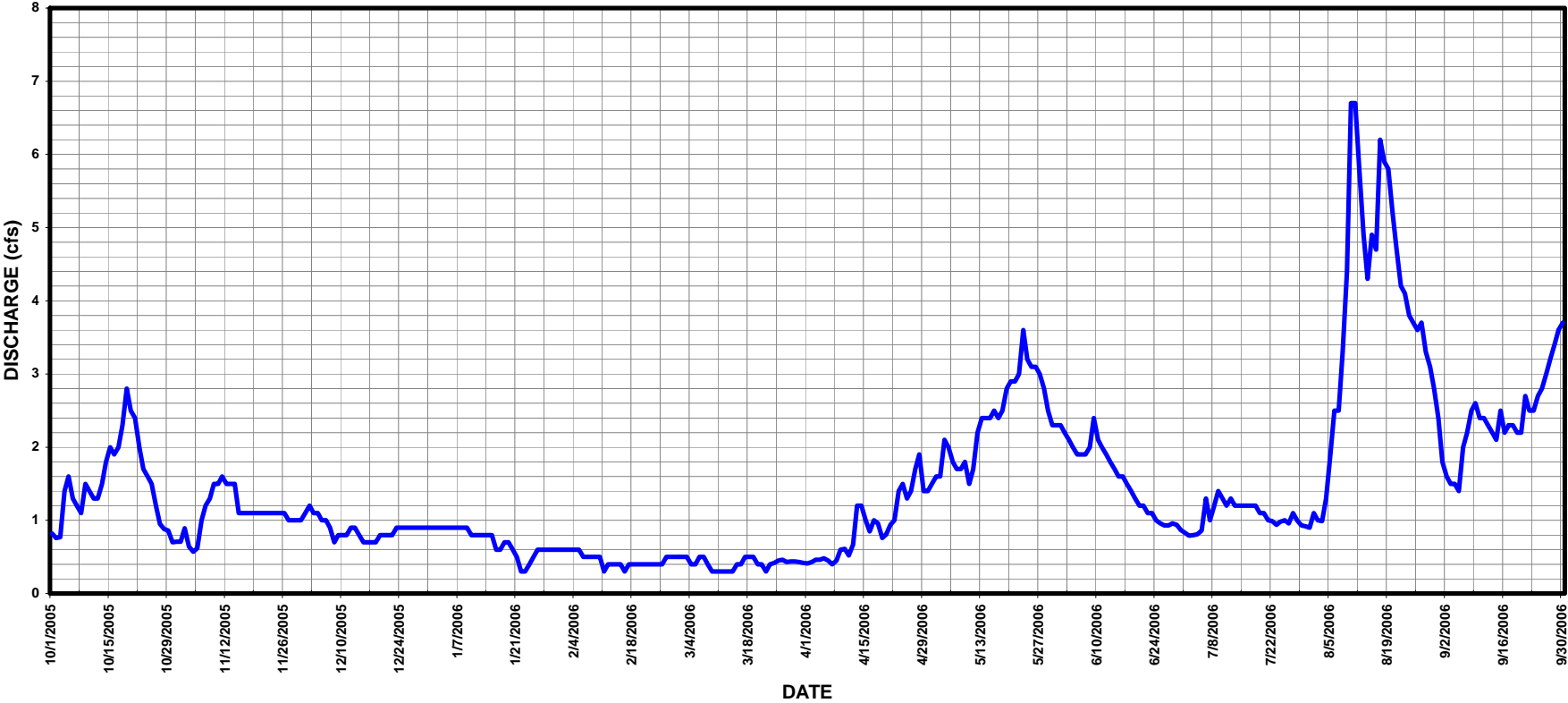
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.82	.71	1.1	.90	.60	.50	.41	1.5	2.3	.83	1.1	1.8
2	.76	.89	1.2	.90	.60	.50	.43	1.6	2.2	.79	1.0	1.6
3	.77	.64	1.1	.90	.60	.50	.46	1.6	2.1	.80	.99	1.5
4	1.4	.57	1.1	.90	.60	.40	.46	2.1	2.0	.81	1.3	1.5
5	1.6	.62	1.0	.90	.60	.40	.48	2.0	1.9	.86	1.9	1.4
6	1.3	1.0	1.0	.90	.50	.50	.45	1.8	1.9	1.3	2.5	2.0
7	1.2	1.2	.90	.90	.50	.50	.40	1.7	1.9	1.0	2.5	2.2
8	1.1	1.3	.70	.90	.50	.40	.45	1.7	2.0	1.2	3.3	2.5
9	1.5	1.5	.80	.90	.50	.30	.60	1.8	2.4	1.4	4.4	2.6
10	1.4	1.5	.80	.80	.50	.30	.61	1.5	2.1	1.3	6.7	2.4
11	1.3	1.6	.80	.80	.30	.30	.52	1.7	2.0	1.2	6.7	2.4
12	1.3	1.5	.90	.80	.40	.30	.67	2.2	1.9	1.3	5.8	2.3
13	1.5	1.5	.90	.80	.40	.30	1.2	2.4	1.8	1.2	4.9	2.2
14	1.8	1.5	.80	.80	.40	.30	1.2	2.4	1.7	1.2	4.3	2.1
15	2.0	1.1	.70	.80	.40	.40	1.0	2.4	1.6	1.2	4.9	2.5
16	1.9	1.1	.70	.60	.30	.40	.85	2.5	1.6	1.2	4.7	2.2
17	2.0	1.1	.70	.60	.40	.50	1.0	2.4	1.5	1.2	6.2	2.3
18	2.3	1.1	.70	.70	.40	.50	.96	2.5	1.4	1.2	5.9	2.3
19	2.8	1.1	.80	.70	.40	.50	.76	2.8	1.3	1.1	5.8	2.2
20	2.5	1.1	.80	.60	.40	.40	.81	2.9	1.2	1.1	5.2	2.2
21	2.4	1.1	.80	.50	.40	.40	.94	2.9	1.2	1.0	4.7	2.7
22	2.0	1.1	.80	.30	.40	.30	1.0	3.0	1.1	.99	4.2	2.5
23	1.7	1.1	.90	.30	.40	.40	1.4	3.6	1.1	.94	4.1	2.5
24	1.6	1.1	.90	.40	.40	.42	1.5	3.2	1.0	.98	3.8	2.7
25	1.5	1.1	.90	.50	.40	.45	1.3	3.1	.96	1.0	3.7	2.8
26	1.2	1.1	.90	.60	.50	.46	1.4	3.1	.93	.96	3.6	3.0
27	.95	1.0	.90	.60	.50	.43	1.7	3.0	.93	1.1	3.7	3.2
28	.88	1.0	.90	.60	.50	.44	1.9	2.8	.96	1.0	3.3	3.4
29	.86	1.0	.90	.60	---	.44	1.4	2.5	.94	.93	3.1	3.6
30	.70	1.0	.90	.60	---	.43	1.4	2.3	.87	.92	2.8	3.7
31	.71	---	.90	.60	---	.42	---	2.3	---	.90	2.4	---
TOTAL	45.75	33.23	27.20	21.70	12.80	12.79	27.66	73.3	46.79	32.91	119.49	72.3
MEAN	1.48	1.11	.88	.70	.46	.41	.92	2.36	1.56	1.06	3.85	2.41
AC-FT	91	66	54	43	25	25	55	145	93	65	237	143
MAX	2.8	1.6	1.2	.90	.60	.50	1.9	3.6	2.4	1.4	6.7	3.7
MIN	.70	.57	.70	.30	.30	.30	.40	1.5	.87	.79	.99	1.4

CAL YR	2005	TOTAL	1488.75	MEAN	4.08	MAX	89	MIN	.5	AC-FT	2950
WTR YR	2006	TOTAL	525.92	MEAN	1.44	MAX	6.7	MIN	.3	AC-FT	1040

MAX DISCH: 10.6 CFS AT 20:15 ON Aug. 15, 2006 GH 2.38 FT. SHIFT 0 FT.
MAX GH: 2.38 FT. AT 20:15 ON Aug. 15, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WILD CHERRY CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

RITO ALTO CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°04'39", long 105°45'43", in SW1/4NE1/4 Sec. 9, T.44 N., R.11 E., NMPM, Saguache Co., on right bank 12 miles SE of Mineral Hot Springs, 7 miles NW of Crestone.

DRAINAGE AREA.--10.3 mi².

GAGE.--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed April 1, 1999. Strip chart recorder installed on April 27, 1999 as a backup. Elevation of gage is 8380 ft.

REMARKS.--Record is complete and reliable except for Nov. 29 to Dec. 5, 2005 when the well was frozen and Dec. 6, 2005 to Mar. 23, 2006, when station was closed for the winter. Stage-discharge relation was affected by ice Nov. 16, 20, 27, 28, 2005, and Mar. 24, 27, 2006. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RITCRECO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

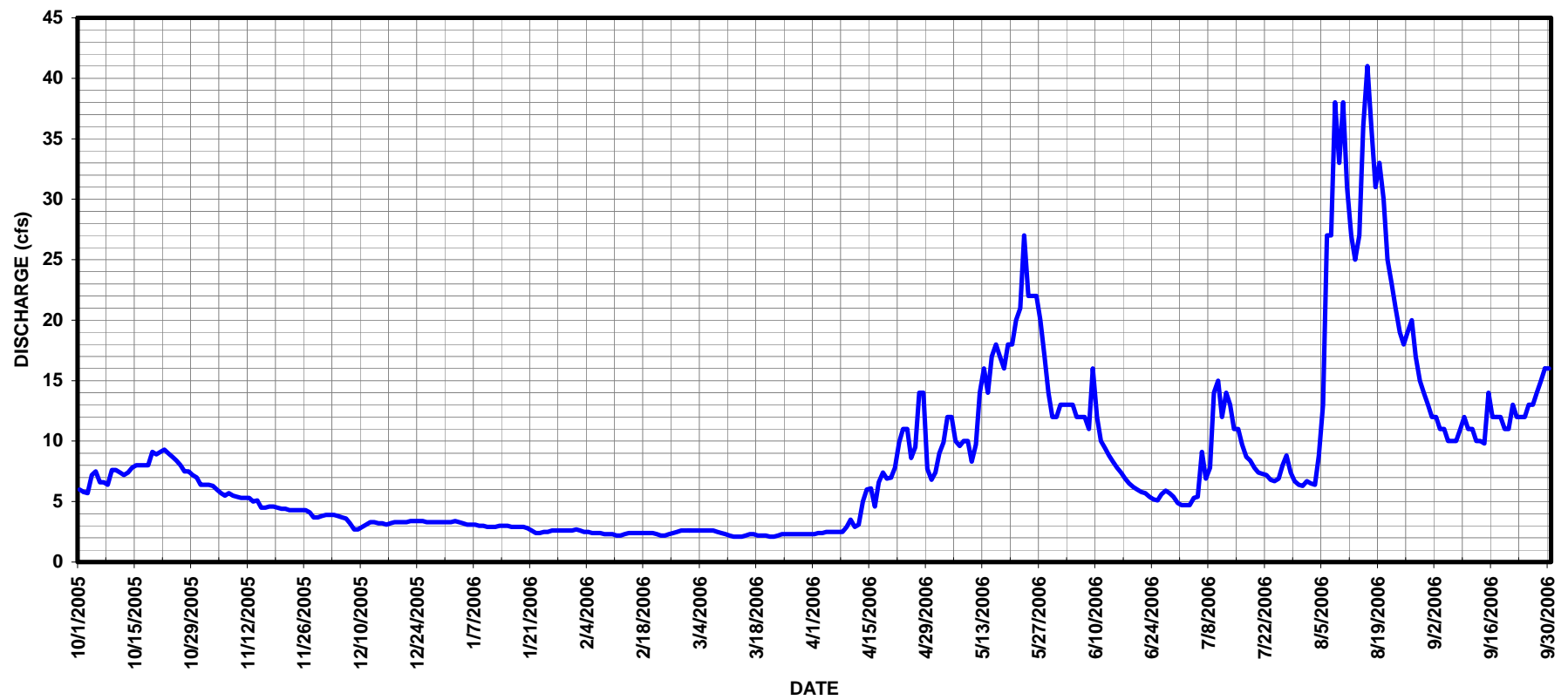
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	6.4	3.9	3.3	2.7	2.6	2.3	7.4	13	4.7	6.7	12
2	5.8	6.4	3.9	3.4	2.6	2.6	2.4	9.0	13	4.7	6.5	12
3	5.7	6.3	3.9	3.3	2.5	2.6	2.4	9.9	13	4.7	6.4	11
4	7.2	6.0	3.8	3.2	2.5	2.6	2.5	12	13	5.3	8.8	11
5	7.5	5.7	3.7	3.1	2.4	2.6	2.5	12	12	5.4	13	10
6	6.6	5.5	3.6	3.1	2.4	2.6	2.5	10	12	9.1	27	10
7	6.6	5.7	3.2	3.1	2.4	2.6	2.5	9.6	12	6.9	27	10
8	6.4	5.5	2.7	3.0	2.3	2.5	2.5	10	11	7.8	38	11
9	7.6	5.4	2.7	3.0	2.3	2.4	2.9	10	16	14	33	12
10	7.6	5.3	2.9	2.9	2.3	2.3	3.5	8.3	12	15	38	11
11	7.4	5.3	3.1	2.9	2.2	2.2	2.9	9.7	10	12	31	11
12	7.2	5.3	3.3	2.9	2.2	2.1	3.1	14	9.4	14	27	10
13	7.4	5.0	3.3	3.0	2.3	2.1	5.0	16	8.8	13	25	10
14	7.8	5.1	3.2	3.0	2.4	2.1	6.0	14	8.3	11	27	9.8
15	8.0	4.5	3.2	3.0	2.4	2.2	6.1	17	7.8	11	36	14
16	8.0	4.5	3.1	2.9	2.4	2.3	4.6	18	7.4	9.7	41	12
17	8.0	4.6	3.2	2.9	2.4	2.3	6.6	17	6.9	8.7	36	12
18	8.0	4.6	3.3	2.9	2.4	2.2	7.4	16	6.5	8.4	31	12
19	9.1	4.5	3.3	2.9	2.4	2.2	6.9	18	6.2	7.8	33	11
20	8.9	4.4	3.3	2.8	2.4	2.2	7.0	18	6.0	7.4	30	11
21	9.1	4.4	3.3	2.6	2.3	2.1	7.8	20	5.8	7.3	25	13
22	9.3	4.3	3.4	2.4	2.2	2.1	9.9	21	5.7	7.2	23	12
23	9.0	4.3	3.4	2.4	2.2	2.2	11	27	5.4	6.8	21	12
24	8.7	4.3	3.4	2.5	2.3	2.3	11	22	5.2	6.7	19	12
25	8.4	4.3	3.4	2.5	2.4	2.3	8.6	22	5.1	6.9	18	13
26	8.0	4.3	3.3	2.6	2.5	2.3	9.5	22	5.6	8.0	19	13
27	7.5	4.1	3.3	2.6	2.6	2.3	14	20	5.9	8.8	20	14
28	7.5	3.7	3.3	2.6	2.6	2.3	14	17	5.7	7.4	17	15
29	7.2	3.7	3.3	2.6	---	2.3	7.7	14	5.4	6.7	15	16
30	7.0	3.8	3.3	2.6	---	2.3	6.8	12	4.9	6.4	14	16
31	6.4	---	3.3	2.6	---	2.3	---	12	---	6.3	13	---
TOTAL	234.9	147.2	103.3	88.6	67.0	72.1	181.9	464.9	259.0	259.1	725.4	358.8
MEAN	7.58	4.91	3.33	2.86	2.39	2.33	6.06	15.0	8.63	8.36	23.4	12.0
AC-FT	466	292	205	176	133	143	361	922	514	514	1440	712
MAX	9.3	6.4	3.9	3.4	2.7	2.6	14	27	16	15	41	16
MIN	5.7	3.7	2.7	2.4	2.2	2.1	2.3	7.4	4.9	4.7	6.4	9.8

CAL YR	2005	TOTAL	4741.5	MEAN	13.0	MAX	103	MIN	2.4	AC-FT	9400
WTR YR	2006	TOTAL	2962.2	MEAN	8.12	MAX	41	MIN	2.1	AC-FT	5880

MAX DISCH: 87.5 CFS AT 21:30 ON Aug. 7, 2006 GH 2.82 FT. SHIFT 0 FT.
MAX GH: 2.82 FT. AT 21:30 ON Aug. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

RITO ALTO CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SAN ISABEL CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°02'03", long 105°43'03", in NW1/4,NW1/4, T.44 N., R.11 E., NMPM, Saguache Co., on left bank 3 miles NW of Crestone.

DRAINAGE AREA.--5.7 mi².

GAGE.--Station established in 1999 with the installation of 4' diameter CMP stilling well and shelter. Satellite monitoring system installed on Apr. 01, 1999 with a chart recorder backup installed on Apr. 27, 1999. Elevation of gage is 8200 ft.

REMARKS.--Record is complete and reliable except for November 16, 2005 through March 30, 2006, when station was closed for winter. Record is good, except for period of no gage-height record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANCRECO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

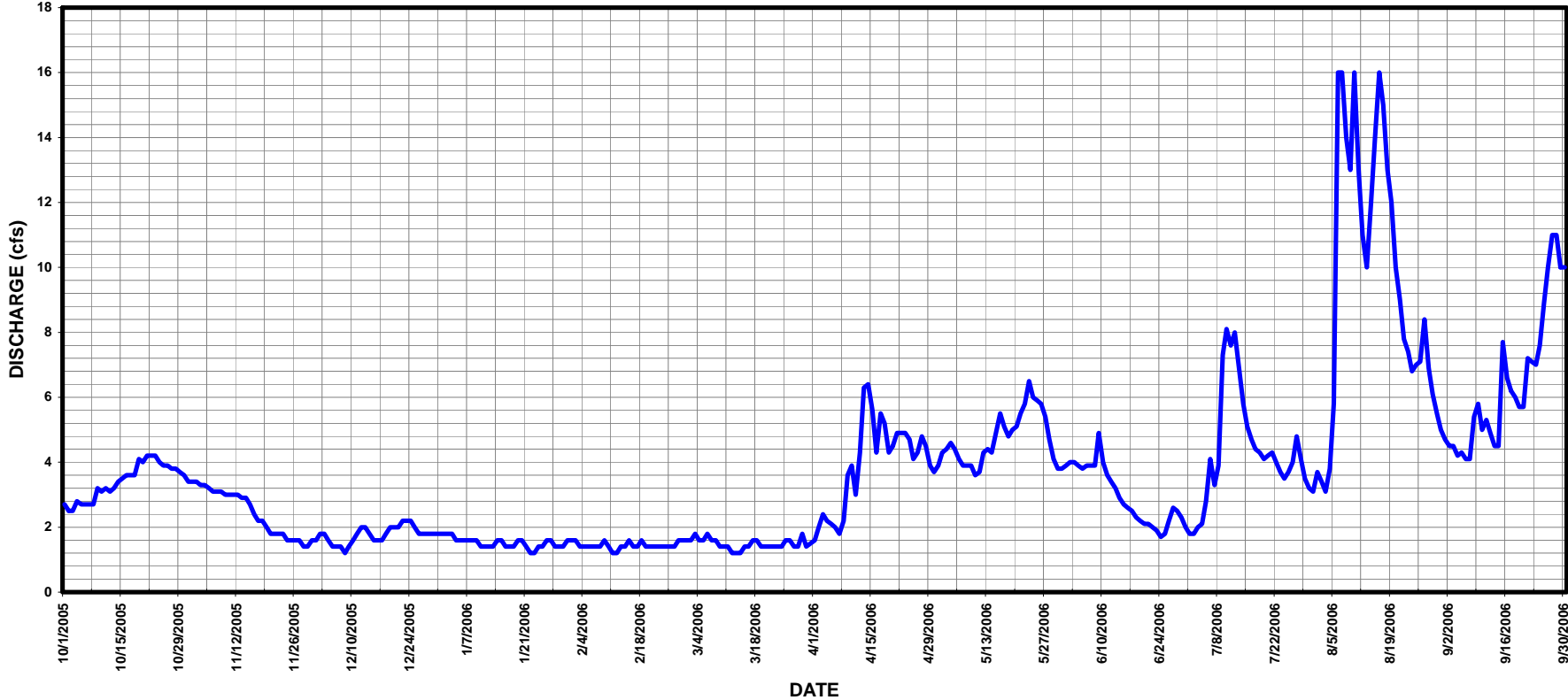
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.4	1.6	1.8	1.6	1.6	1.6	3.9	3.9	1.8	3.7	4.7
2	2.5	3.4	1.8	1.8	1.6	1.6	2.0	4.3	4.0	1.8	3.4	4.5
3	2.5	3.3	1.8	1.8	1.4	1.8	2.4	4.4	4.0	2.0	3.1	4.5
4	2.8	3.3	1.6	1.6	1.4	1.6	2.2	4.6	3.9	2.1	3.8	4.2
5	2.7	3.2	1.4	1.6	1.4	1.6	2.1	4.4	3.8	2.8	5.8	4.3
6	2.7	3.1	1.4	1.6	1.4	1.8	2.0	4.1	3.9	4.1	16	4.1
7	2.7	3.1	1.4	1.6	1.4	1.6	1.8	3.9	3.9	3.3	16	4.1
8	2.7	3.1	1.2	1.6	1.4	1.6	2.2	3.9	3.9	3.9	14	5.4
9	3.2	3.0	1.4	1.6	1.6	1.4	3.6	3.9	4.9	7.3	13	5.8
10	3.1	3.0	1.6	1.4	1.4	1.4	3.9	3.6	4.0	8.1	16	5.0
11	3.2	3.0	1.8	1.4	1.2	1.4	3.0	3.7	3.6	7.6	13	5.3
12	3.1	3.0	2.0	1.4	1.2	1.2	4.3	4.3	3.4	8.0	11	4.9
13	3.2	2.9	2.0	1.4	1.4	1.2	6.3	4.4	3.2	6.9	10	4.5
14	3.4	2.9	1.8	1.6	1.4	1.2	6.4	4.3	2.9	5.8	12	4.5
15	3.5	2.7	1.6	1.6	1.6	1.4	5.6	4.9	2.7	5.1	14	7.7
16	3.6	2.4	1.6	1.4	1.4	1.4	4.3	5.5	2.6	4.7	16	6.6
17	3.6	2.2	1.6	1.4	1.4	1.6	5.5	5.1	2.5	4.4	15	6.2
18	3.6	2.2	1.8	1.4	1.6	1.6	5.2	4.8	2.3	4.3	13	6.0
19	4.1	2.0	2.0	1.6	1.4	1.4	4.3	5.0	2.2	4.1	12	5.7
20	4.0	1.8	2.0	1.6	1.4	1.4	4.5	5.1	2.1	4.2	10	5.7
21	4.2	1.8	2.0	1.4	1.4	1.4	4.9	5.5	2.1	4.3	9.0	7.2
22	4.2	1.8	2.2	1.2	1.4	1.4	4.9	5.8	2.0	4.0	7.8	7.1
23	4.2	1.8	2.2	1.2	1.4	1.4	4.9	6.5	1.9	3.7	7.4	7.0
24	4.0	1.6	2.2	1.4	1.4	1.4	4.7	6.0	1.7	3.5	6.8	7.6
25	3.9	1.6	2.0	1.4	1.4	1.6	4.1	5.9	1.8	3.7	7.0	8.9
26	3.9	1.6	1.8	1.6	1.4	1.6	4.3	5.8	2.2	4.0	7.1	10
27	3.8	1.6	1.8	1.6	1.6	1.4	4.8	5.4	2.6	4.8	8.4	11
28	3.8	1.4	1.8	1.4	1.6	1.4	4.5	4.7	2.5	4.1	6.9	11
29	3.7	1.4	1.8	1.4	---	1.8	3.9	4.1	2.3	3.5	6.1	10
30	3.6	1.6	1.8	1.4	---	1.4	3.7	3.8	2.0	3.2	5.5	10
31	3.4	---	1.8	1.6	---	1.5	---	3.8	---	3.1	5.0	---
TOTAL	105.6	73.2	54.8	46.8	40.2	46.1	117.9	145.4	88.8	134.2	297.8	193.5
MEAN	3.41	2.44	1.77	1.51	1.44	1.49	3.93	4.69	2.96	4.33	9.61	6.45
AC-FT	209	145	109	93	80	91	234	288	176	266	591	384
MAX	4.2	3.4	2.2	1.8	1.6	1.8	6.4	6.5	4.9	8.1	16	11
MIN	2.5	1.4	1.2	1.2	1.2	1.2	1.6	3.6	1.7	1.8	3.1	4.1

CAL YR	2005	TOTAL	2326.0	MEAN	6.37	MAX	56	MIN	1.2	AC-FT	4610
WTR YR	2006	TOTAL	1344.3	MEAN	3.68	MAX	16	MIN	1.2	AC-FT	2670

MAX DISCH: 22 CFS AT 00:15 ON Aug. 6, 2006 GH 4.14 FT. SHIFT 0.08 FT.
MAX GH: 4.16 FT. AT 19:30 ON Aug. 15, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**SAN ISABEL CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH**



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08227000 SAGUACHE CREEK NEAR SAGUACHE, CO

LOCATION.--Lat 38°09'48", long 106°17'24", in SE¼SE¼ sec. 10, T. 45 N., R 6 E., Saguache County, Hydrologic Unit 13010004, on left bank 0.2 Mi downstream from Middle Creek and 10 mi northwest of Saguache.

PERIOD OF RECORD AND DRAINAGE AREA.--595 mi². Aug. 1910-Sept. 1912, Jun. 1914 to current year. Monthly discharge only for some periods. Water-quality data available, Apr. 1993-Sep. 1995.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment including an air temperature sensor and a tipping bucket rain gage in a metal pipe shelter and well. The existing manned cableway was removed and a new Tacoma bank-operated cableway system was installed at this site in August 2003. Datum of gage is approximately 8,030 ft. (from topographic map).

REMARKS.--Record is complete and reliable. The stage-discharge relation was affected by ice Nov. 15-19, 21, 22, 24, 2005 through Feb. 28, Mar. 1, 3-20, 2006. Record is good except for periods of ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SAGSAGC016 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

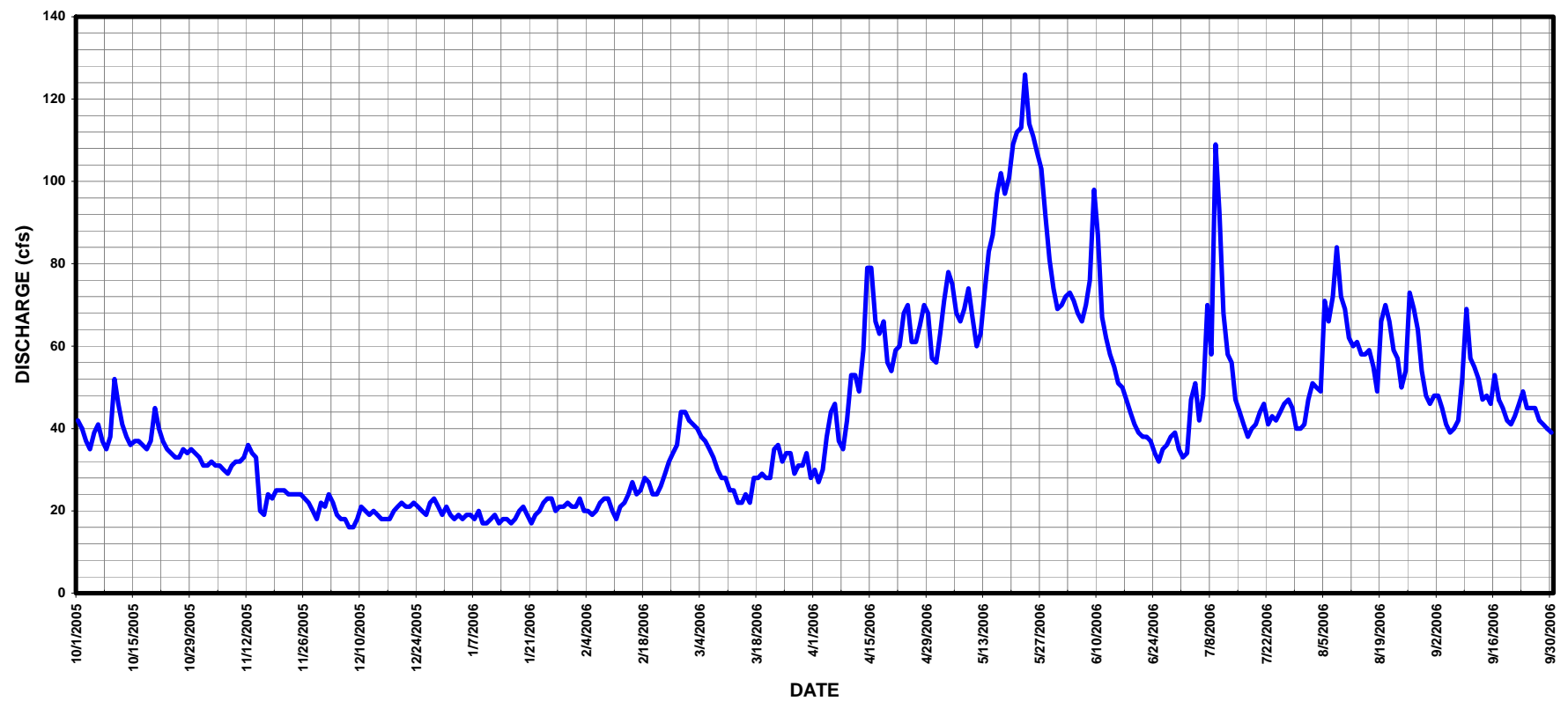
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	31	21	19	21	42	30	56	70	33	47	48
2	40	31	24	18	23	41	27	63	72	34	51	48
3	37	32	22	19	20	40	30	71	73	47	50	45
4	35	31	19	18	20	38	38	78	71	51	49	41
5	39	31	18	19	19	37	44	75	68	42	71	39
6	41	30	18	19	20	35	46	68	66	48	66	40
7	37	29	16	18	22	33	37	66	70	70	72	42
8	35	31	16	20	23	30	35	69	76	58	84	52
9	38	32	18	17	23	28	42	74	98	109	72	69
10	52	32	21	17	20	28	53	67	87	92	69	57
11	46	33	20	18	18	25	53	60	67	68	62	55
12	41	36	19	19	21	25	49	63	62	58	60	52
13	38	34	20	17	22	22	59	73	58	56	61	47
14	36	33	19	18	24	22	79	83	55	47	58	48
15	37	20	18	18	27	24	79	87	51	44	58	46
16	37	19	18	17	24	22	66	97	50	41	59	53
17	36	24	18	18	25	28	63	102	47	38	55	47
18	35	23	20	20	28	28	66	97	44	40	49	45
19	37	25	21	21	27	29	56	101	41	41	66	42
20	45	25	22	19	24	28	54	109	39	44	70	41
21	40	25	21	17	24	28	59	112	38	46	66	43
22	37	24	21	19	26	35	60	113	38	41	59	46
23	35	24	22	20	29	36	68	126	37	43	57	49
24	34	24	21	22	32	32	70	114	34	42	50	45
25	33	24	20	23	34	34	61	111	32	44	54	45
26	33	23	19	23	36	34	61	107	35	46	73	45
27	35	22	22	20	44	29	65	103	36	47	69	42
28	34	20	23	21	44	31	70	92	38	45	64	41
29	35	18	21	21	---	31	68	81	39	40	54	40
30	34	22	19	22	---	34	57	74	35	40	48	39
31	33	---	21	21	---	28	---	69	---	41	46	---
TOTAL	1167	808	618	598	720	957	1645	2661	1627	1536	1869	1392
MEAN	37.6	26.9	19.9	19.3	25.7	30.9	54.8	85.8	54.2	49.5	60.3	46.4
AC-FT	2310	1600	1230	1190	1430	1900	3260	5280	3230	3050	3710	2760
MAX	52	36	24	23	44	42	79	126	98	109	84	69
MIN	33	18	16	17	18	22	27	56	32	33	46	39

CAL YR	2005	TOTAL	19527	MEAN	53.5	MAX	281	MIN	16	AC-FT	38730
WTR YR	2006	TOTAL	15598	MEAN	42.7	MAX	126	MIN	16	AC-FT	30940

MAX DISCH: 140 CFS AT 20:00 ON May. 22, 2006 GH 2.21 FT. SHIFT 0.05 FT.
MAX GH: 2.24 FT. (ice affected) AT 21:45 ON Jan. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08227000 SAGUACHE CREEK NEAR SAGUACHE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08227500 NORTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 38°00'49", long 105°41'32", Saguache County, Hydrologic Unit 13010003, on right bank in canyon, 1.5 mi. northeast of Crestone, and 3.2 mi. upstream from South Crestone Creek.

DRAINAGE AREA.--10.7 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 48-inch corrugated metal shelter and 36 inch concrete well. A graphic water-stage recorder is operated as a data backup. Altitude of gage is 8,360 ft from topographic map.

REMARKS.--Record is complete and reliable except for November 27 through December 19, 2005 when the well was frozen, and December 20, 2005 through March 30, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice November 16-26, 2005. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NOCRES011TMP USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

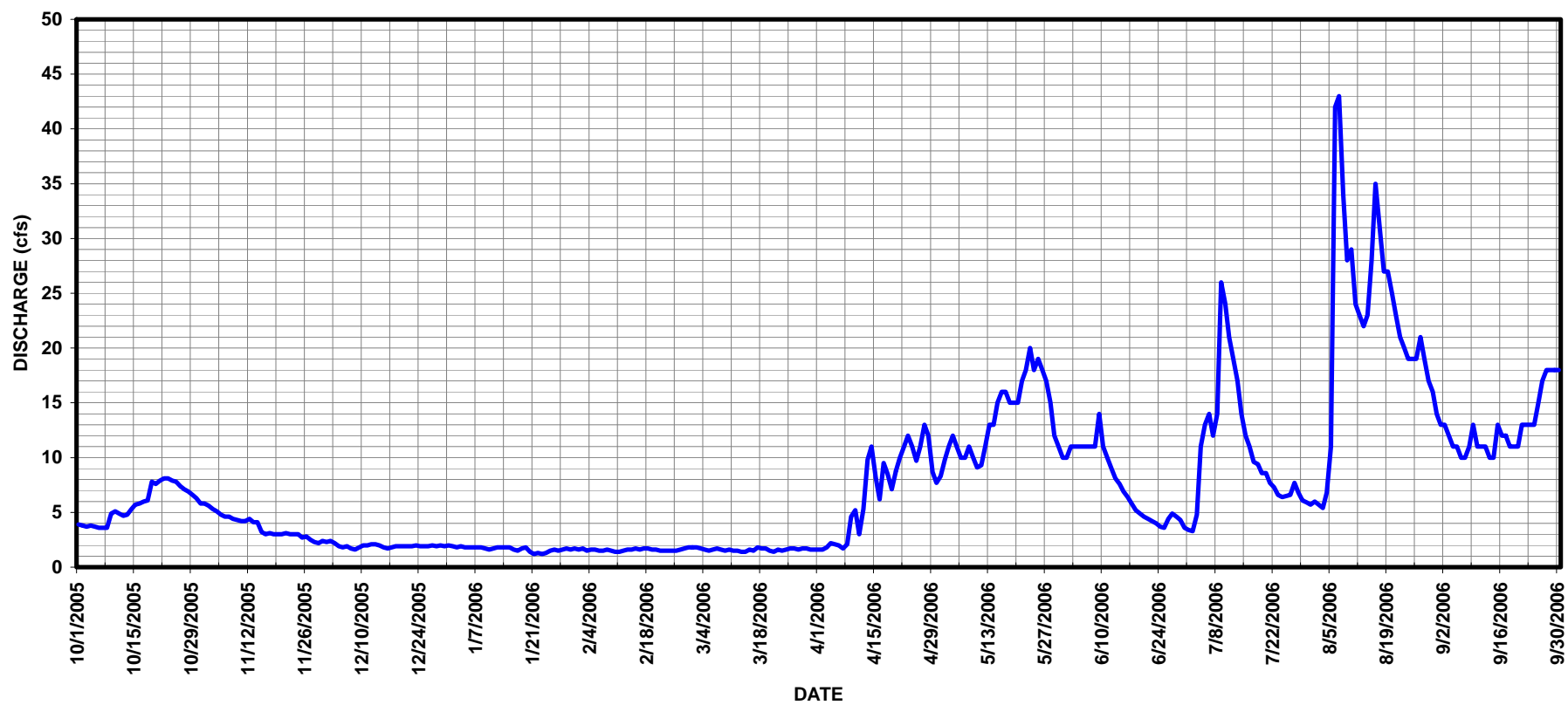
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	5.8	2.3	1.9	1.6	1.8	1.6	8.3	10	3.4	6.0	13
2	3.8	5.6	2.4	1.8	1.7	1.8	1.6	9.8	11	3.3	5.7	13
3	3.7	5.3	2.2	1.9	1.5	1.7	1.8	11	11	4.8	5.4	12
4	3.8	5.1	1.9	1.8	1.6	1.6	2.2	12	11	11	6.8	11
5	3.7	4.8	1.8	1.8	1.6	1.5	2.1	11	11	13	11	11
6	3.6	4.6	1.9	1.8	1.5	1.6	2.0	10	11	14	42	10
7	3.6	4.6	1.7	1.8	1.5	1.7	1.7	10	11	12	43	10
8	3.6	4.4	1.6	1.8	1.6	1.6	2.1	11	11	14	34	11
9	4.9	4.3	1.8	1.7	1.5	1.5	4.6	10	14	26	28	13
10	5.1	4.2	2.0	1.6	1.4	1.6	5.2	9.1	11	24	29	11
11	4.9	4.2	2.0	1.7	1.4	1.5	3.0	9.3	10	21	24	11
12	4.7	4.4	2.1	1.8	1.5	1.5	5.3	11	9.0	19	23	11
13	4.8	4.1	2.1	1.8	1.6	1.4	9.8	13	8.1	17	22	10
14	5.3	4.1	2.0	1.8	1.6	1.4	11	13	7.6	14	23	10
15	5.7	3.2	1.8	1.8	1.7	1.6	8.2	15	6.9	12	28	13
16	5.8	3.0	1.7	1.6	1.6	1.5	6.2	16	6.4	11	35	12
17	6.0	3.1	1.8	1.5	1.7	1.8	9.5	16	5.8	9.6	31	12
18	6.1	3.0	1.9	1.7	1.7	1.7	8.5	15	5.2	9.4	27	11
19	7.8	3.0	1.9	1.8	1.6	1.7	7.1	15	4.9	8.6	27	11
20	7.6	3.0	1.9	1.4	1.6	1.5	8.8	15	4.6	8.6	25	11
21	7.9	3.1	1.9	1.2	1.5	1.4	10	17	4.4	7.7	23	13
22	8.1	3.0	1.9	1.3	1.5	1.6	11	18	4.2	7.3	21	13
23	8.1	3.0	2.0	1.2	1.5	1.5	12	20	4.0	6.6	20	13
24	7.9	3.0	1.9	1.3	1.5	1.6	11	18	3.7	6.4	19	13
25	7.8	2.7	1.9	1.5	1.5	1.7	9.7	19	3.6	6.5	19	15
26	7.4	2.8	1.9	1.6	1.6	1.7	11	18	4.4	6.6	19	17
27	7.1	2.5	2.0	1.5	1.7	1.6	13	17	4.9	7.7	21	18
28	6.9	2.3	1.9	1.6	1.8	1.7	12	15	4.6	6.8	19	18
29	6.6	2.2	2.0	1.7	---	1.7	8.7	12	4.3	6.1	17	18
30	6.3	2.4	1.9	1.6	---	1.6	7.7	11	3.6	5.9	16	18
31	5.8	---	2.0	1.7	---	1.6	---	10	---	5.7	14	---
TOTAL	178.3	110.8	60.1	51.0	44.1	49.7	208.4	415.5	222.2	329.0	683.9	383
MEAN	5.75	3.69	1.94	1.65	1.57	1.60	6.95	13.4	7.41	10.6	22.1	12.8
AC-FT	354	220	119	101	87	99	413	824	441	653	1360	760
MAX	8.1	5.8	2.4	1.9	1.8	1.8	13	20	14	26	43	18
MIN	3.6	2.2	1.6	1.2	1.4	1.4	1.6	8.3	3.6	3.3	5.4	10

CAL YR	2005	TOTAL	4736.2	MEAN	13.0	MAX	170	MIN	1.0	AC-FT	9390
WTR YR	2006	TOTAL	2736	MEAN	7.5	MAX	43	MIN	1.2	AC-FT	5430

MAX DISCH: 53.7 CFS AT 19:45 ON Aug. 6, 2006 GH 1.60 FT. SHIFT -0.01 FT.
MAX GH: 1.60 FT. AT 19:45 ON Aug. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08227500 NORTH CRESTONE CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SOUTH CRESTONE CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°58'55", long 105°42'41", in NE1/4SW1/4 Sec. 12, T.43 N., R.11 E., NMPM, Saguache Co., on right bank, 1 mile SE of Crestone.

DRAINAGE AREA.--4.6 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a two-foot diameter corrugated culvert pipe stilling well with small steel shelter on top. A 1-inch intake pipe attaches well to a 2.5 foot Parshall flume. Elevation of gage is 7740 ft.

REMARKS.--Record is complete and reliable except for Nov. 28 through Dec. 19, 2005 when the well was frozen, Dec. 20, 2005 through Apr. 20, 2006 when the station was closed for the winter, Jun. 19 through Jul. 3, 2006 when well was isolated from flume during all or part of each day, and Aug. 8, 2006 when inlet was plugged. Stage-discharge relation was affected by ice November 16-19, 25, 2005. There was no flow for 73 days this water year. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOUCRECO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

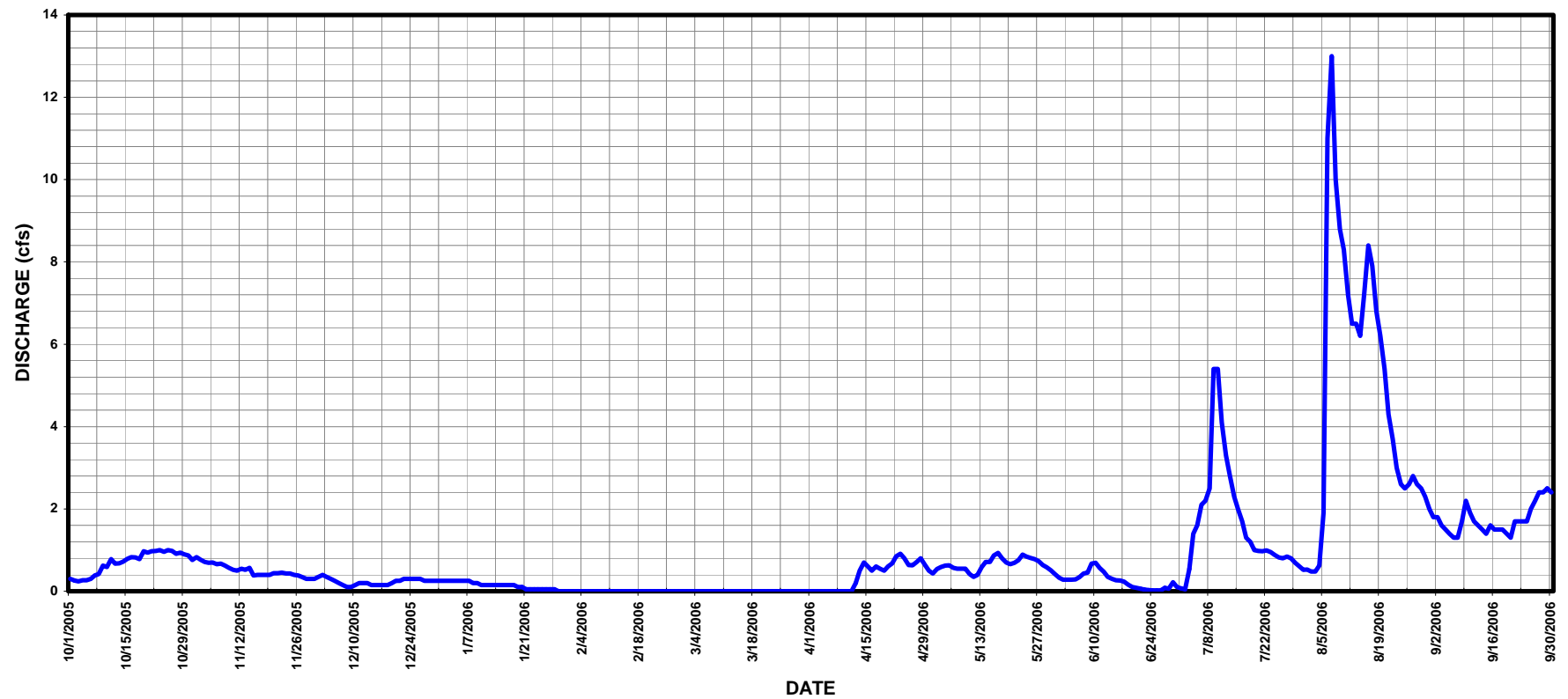
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.83	.35	.25	0	0	0	.43	.33	.07	.53	1.8
2	.26	.77	.40	.25	0	0	0	.54	.28	.05	.48	1.8
3	.24	.71	.35	.25	0	0	0	.59	.28	.54	.48	1.6
4	.27	.69	.30	.25	0	0	0	.62	.28	1.4	.62	1.5
5	.27	.70	.25	.25	0	0	0	.63	.29	1.6	1.9	1.4
6	.30	.66	.20	.25	0	0	0	.57	.34	2.1	11	1.3
7	.38	.67	.15	.25	0	0	0	.55	.43	2.2	13	1.3
8	.42	.62	.10	.20	0	0	0	.55	.45	2.5	10	1.7
9	.62	.57	.10	.20	0	0	0	.55	.67	5.4	8.8	2.2
10	.59	.52	.15	.15	0	0	0	.42	.69	5.4	8.3	1.9
11	.78	.50	.20	.15	0	0	0	.35	.57	4.1	7.2	1.7
12	.67	.55	.20	.15	0	0	.20	.40	.47	3.3	6.5	1.6
13	.68	.52	.20	.15	0	0	.50	.59	.35	2.8	6.5	1.5
14	.72	.57	.15	.15	0	0	.70	.71	.30	2.3	6.2	1.4
15	.79	.38	.15	.15	0	0	.60	.71	.27	2.0	7.2	1.6
16	.83	.40	.15	.15	0	0	.50	.87	.26	1.7	8.4	1.5
17	.82	.40	.15	.15	0	0	.60	.93	.23	1.3	7.9	1.5
18	.78	.40	.15	.15	0	0	.55	.80	.16	1.2	6.8	1.5
19	.97	.40	.20	.10	0	0	.50	.70	.10	1.0	6.2	1.4
20	.94	.44	.25	.10	0	0	.60	.66	.08	.98	5.4	1.3
21	.97	.44	.25	.05	0	0	.68	.69	.06	.97	4.3	1.7
22	.98	.45	.30	.05	0	0	.85	.75	.04	.99	3.7	1.7
23	1.0	.43	.30	.05	0	0	.91	.89	.03	.95	3.0	1.7
24	.96	.43	.30	.05	0	0	.80	.84	.02	.88	2.6	1.7
25	1.0	.40	.30	.05	0	0	.64	.81	.02	.82	2.5	2.0
26	.98	.38	.30	.05	0	0	.63	.78	.02	.80	2.6	2.2
27	.91	.34	.25	.05	0	0	.71	.73	.08	.84	2.8	2.4
28	.94	.30	.25	.05	0	0	.80	.64	.06	.80	2.6	2.4
29	.90	.30	.25	0	---	0	.65	.58	.22	.69	2.5	2.5
30	.87	.30	.25	0	---	0	.50	.51	.10	.61	2.3	2.4
31	.76	---	.25	0	---	0	---	.42	---	.52	2.0	---
TOTAL	21.90	15.07	7.15	4.10	0	0	11.92	19.81	7.48	50.81	154.31	52.2
MEAN	.71	.50	.23	.13	0	0	.40	.64	.25	1.64	4.98	1.74
AC-FT	43	30	14	8.1	0	0	24	39	15	101	306	104
MAX	1.0	.83	.40	.25	0	0	.91	.93	.69	5.4	13	2.5
MIN	.24	.30	.10	0	0	0	0	.35	.02	.05	.48	1.3

CAL YR	2005	TOTAL	594.95	MEAN	1.63	MAX	21	MIN	0	AC-FT	1180
WTR YR	2006	TOTAL	344.75	MEAN	.94	MAX	13	MIN	0	AC-FT	684

MAX DISCH: 18.2 CFS AT 23:15 ON Aug. 6, 2006 GH 1.44 FT. SHIFT 0.03 FT.
MAX GH: 1.44 FT. AT 23:15 ON Aug. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**SOUTH CRESTONE CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH**



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

WILLOW CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'29", long 105°41'59", in SE1/4NW1/4 Sec. 20, T.43 N., R.12 E., NMPM, Saguache Co. on right bank, 2 miles SE of Crestone.

DRAINAGE AREA.--8.0 mi².

GAGE.--Station installed in 1999 with a 2' diameter CMP stilling well with a small steel box structure on top for equipment. Satellite monitoring system installed and put into operation April 1, 1999. Elevation of gage is 7740 ft.

REMARKS.--Record is complete and reliable except for Nov. 16, 2005 through Mar. 30, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice November 15, 2005. Due to fair rating curve, the record is fair except for period of no gage-height, which is poor. Record for Aug. 5 and 6, 2006, including peak discharge determination is considered poor since gage-heights exceeded the range of the current rating curve. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WILCRECO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

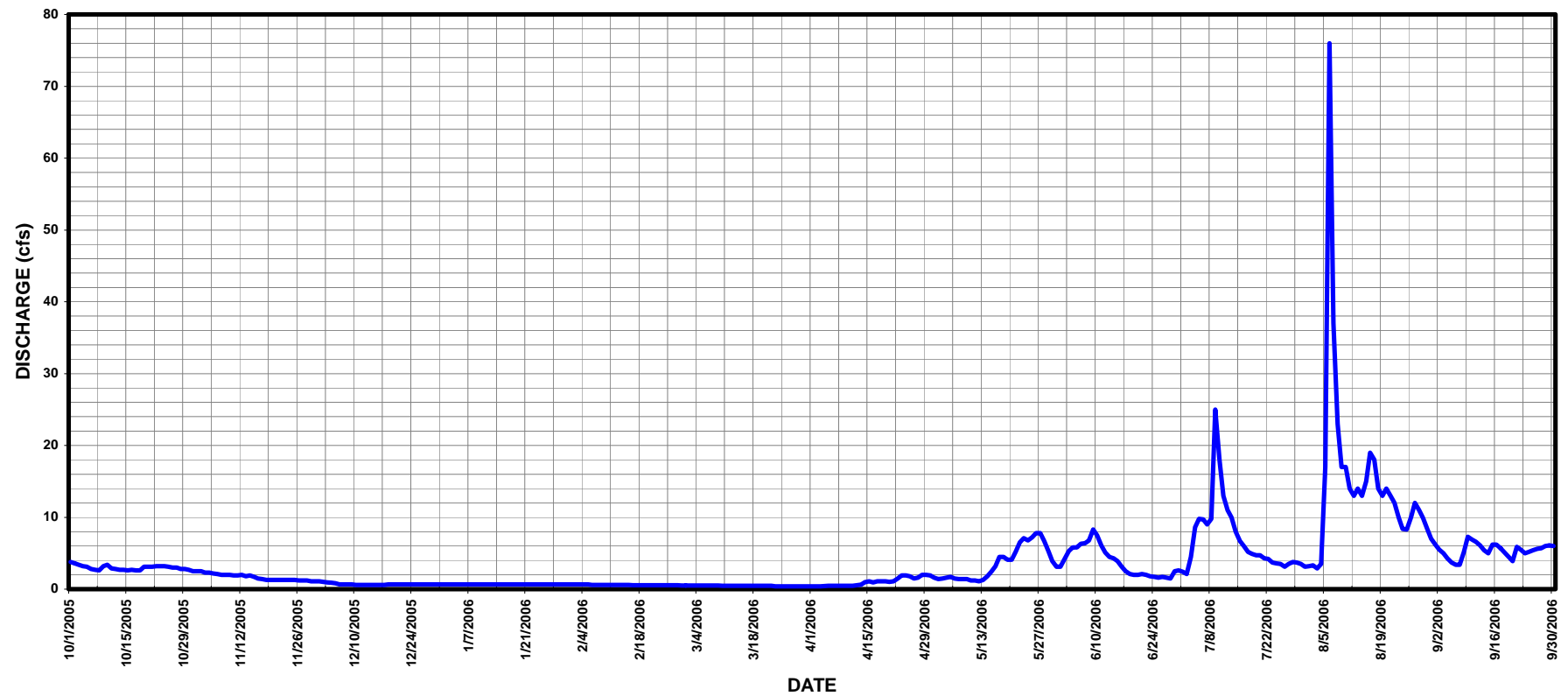
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	2.5	1.1	.65	.65	.50	.40	1.6	3.1	2.4	3.2	6.2
2	3.6	2.5	1.0	.65	.65	.50	.38	1.4	4.2	2.1	3.3	5.5
3	3.4	2.3	.95	.65	.65	.50	.40	1.5	5.3	4.5	2.9	5.0
4	3.2	2.3	.90	.65	.65	.50	.43	1.6	5.8	8.6	3.5	4.3
5	3.1	2.2	.80	.65	.65	.50	.45	1.7	5.8	9.8	17	3.7
6	2.8	2.1	.65	.65	.60	.50	.48	1.5	6.3	9.7	76	3.4
7	2.7	2.0	.65	.65	.60	.50	.47	1.4	6.4	9.0	37	3.4
8	2.6	2.0	.65	.65	.60	.50	.47	1.4	6.8	9.8	23	5.2
9	3.2	2.0	.65	.65	.60	.50	.47	1.4	8.3	25	17	7.3
10	3.4	1.9	.60	.65	.60	.45	.47	1.2	7.5	18	17	6.9
11	2.9	1.9	.60	.65	.60	.45	.48	1.2	6.1	13	14	6.6
12	2.8	2.0	.60	.65	.60	.45	.55	1.1	5.1	11	13	6.1
13	2.7	1.8	.60	.65	.60	.45	.63	1.3	4.5	10	14	5.4
14	2.7	1.9	.60	.65	.60	.45	.97	1.8	4.3	8.0	13	5.0
15	2.6	1.7	.60	.65	.60	.45	1.1	2.4	3.9	6.7	15	6.2
16	2.7	1.5	.60	.65	.55	.45	.95	3.2	3.1	6.0	19	6.2
17	2.6	1.4	.60	.65	.55	.45	1.1	4.5	2.5	5.2	18	5.7
18	2.6	1.3	.65	.65	.55	.45	1.1	4.5	2.1	4.9	14	5.1
19	3.1	1.3	.65	.65	.55	.45	1.1	4.1	2.0	4.7	13	4.5
20	3.1	1.3	.65	.65	.55	.45	1.0	4.1	2.0	4.7	14	3.9
21	3.1	1.3	.65	.65	.55	.45	1.1	5.2	2.1	4.3	13	5.9
22	3.2	1.3	.65	.65	.55	.45	1.5	6.5	2.0	4.2	12	5.5
23	3.2	1.3	.65	.65	.55	.40	1.9	7.1	1.8	3.7	10	5.0
24	3.2	1.3	.65	.65	.55	.40	1.9	6.8	1.7	3.6	8.4	5.2
25	3.1	1.3	.65	.65	.55	.40	1.8	7.2	1.6	3.5	8.3	5.4
26	3.0	1.2	.65	.65	.55	.40	1.5	7.8	1.7	3.1	10	5.6
27	3.0	1.2	.65	.65	.55	.40	1.6	7.8	1.6	3.5	12	5.7
28	2.8	1.2	.65	.65	.50	.40	2.0	6.7	1.5	3.8	11	6.0
29	2.8	1.1	.65	.65	---	.40	2.0	5.3	2.5	3.7	9.9	6.1
30	2.7	1.1	.65	.65	---	.40	1.9	3.9	2.6	3.5	8.4	6.0
31	2.5	---	.65	.65	---	.39	---	3.1	---	3.1	7.0	---
TOTAL	92.2	50.2	21.25	20.15	16.35	13.94	30.60	110.3	114.2	213.1	456.9	162.0
MEAN	2.97	1.67	.69	.65	.58	.45	1.02	3.56	3.81	6.87	14.7	5.40
AC-FT	183	100	42	40	32	28	61	219	227	423	906	321
MAX	3.8	2.5	1.1	.65	.65	.50	2.0	7.8	8.3	25	76	7.3
MIN	2.5	1.1	.60	.65	.50	.39	.38	1.1	1.5	2.1	2.9	3.4

CAL YR	2005	TOTAL	1967.9	MEAN	5.39	MAX	54	MIN	.50	AC-FT	3900
WTR YR	2006	TOTAL	1301.19	MEAN	3.56	MAX	76	MIN	.38	AC-FT	2580

MAX DISCH: 134 CFS AT 01:00 ON Aug. 6, 2006 GH 4.09 FT. SHIFT -0.26 FT.
MAX GH: 4.09 FT. AT 01:00 ON Aug. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

WILLOW CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

SPANISH CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°57'10", long 105°39'42", in NE1/4SW1/4 Sec. 21, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 3 ½ miles SE of Crestone.

DRAINAGE AREA.--2.4 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot culvert pipe well and small steel box shelter.. Elevation of gage is 8240 ft.

REMARKS.--Record is complete and reliable except for Nov. 16, 2005 through March 30, 2006 when the station was closed for the winter. Record is fair, except for period of no gage-height record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SPACRECO03 USED FROM 01-OCT-2005 TO 30-MAR-2006
SPACRECO04 USED FROM 30-MAR-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

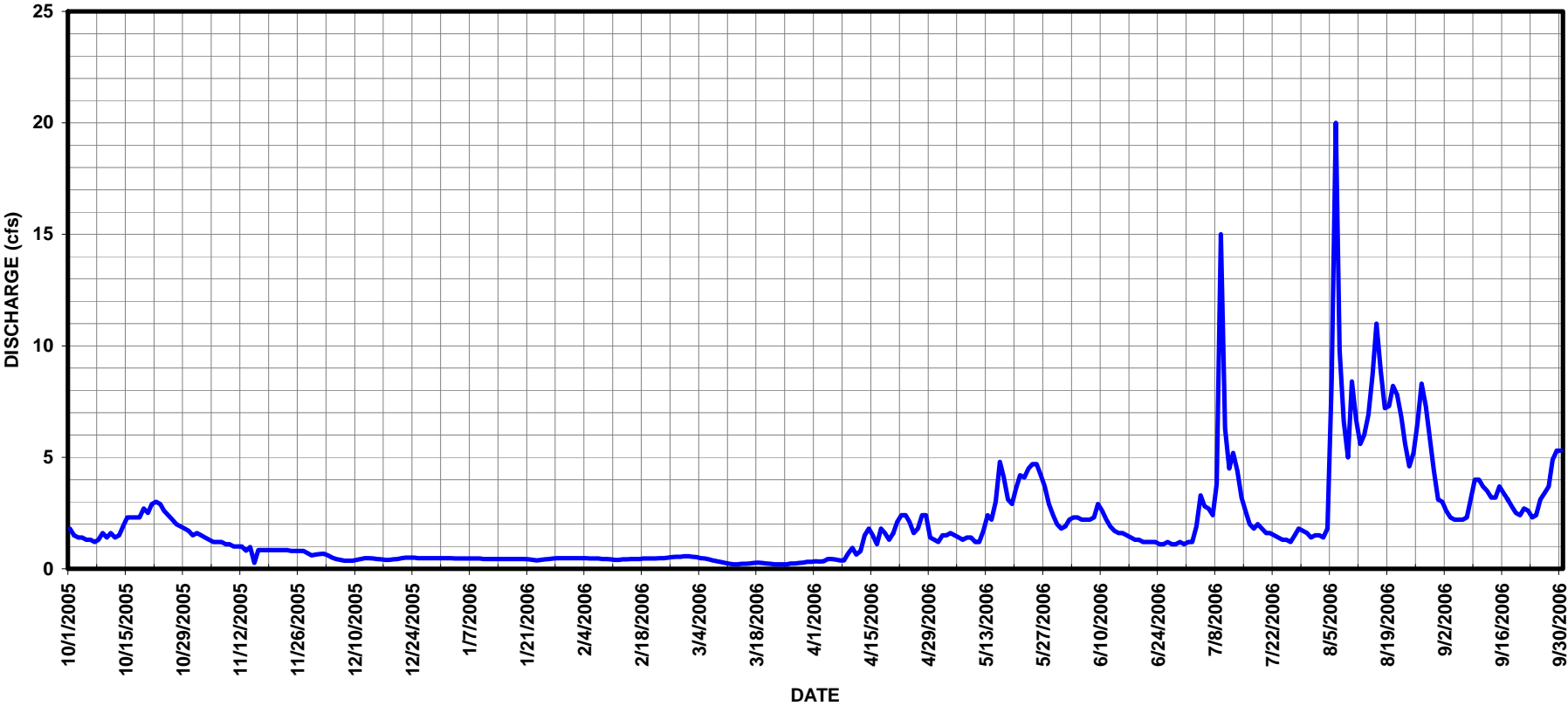
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.6	.66	.48	.48	.56	.34	1.2	1.9	1.2	1.5	3.0
2	1.5	1.5	.68	.48	.48	.54	.32	1.5	2.2	1.2	1.5	2.6
3	1.4	1.4	.60	.46	.48	.52	.34	1.5	2.3	1.9	1.4	2.3
4	1.4	1.3	.50	.46	.47	.48	.44	1.6	2.3	3.3	1.8	2.2
5	1.3	1.2	.44	.46	.46	.46	.44	1.5	2.2	2.8	8.4	2.2
6	1.3	1.2	.40	.46	.46	.42	.41	1.4	2.2	2.7	20	2.2
7	1.2	1.2	.36	.46	.46	.38	.38	1.3	2.2	2.4	9.8	2.3
8	1.3	1.1	.36	.46	.44	.34	.38	1.4	2.3	3.8	6.6	3.1
9	1.6	1.1	.36	.46	.44	.30	.69	1.4	2.9	15	5.0	4.0
10	1.4	1.0	.40	.44	.42	.26	.94	1.2	2.6	6.3	8.4	4.0
11	1.6	1.0	.44	.44	.40	.22	.64	1.2	2.2	4.5	6.7	3.7
12	1.4	1.0	.48	.44	.40	.20	.79	1.7	1.9	5.2	5.6	3.5
13	1.5	.81	.48	.44	.42	.20	1.5	2.4	1.7	4.4	6.0	3.2
14	1.9	.98	.46	.44	.42	.22	1.8	2.2	1.6	3.2	6.9	3.2
15	2.3	.26	.44	.44	.44	.22	1.5	3.0	1.6	2.6	8.7	3.7
16	2.3	.84	.42	.44	.44	.24	1.1	4.8	1.5	2.0	11	3.4
17	2.3	.84	.40	.44	.44	.26	1.8	4.1	1.4	1.8	8.9	3.1
18	2.3	.84	.40	.44	.46	.28	1.6	3.1	1.3	2.0	7.2	2.8
19	2.7	.84	.42	.44	.46	.26	1.3	2.9	1.3	1.8	7.3	2.5
20	2.5	.84	.44	.44	.46	.24	1.6	3.6	1.2	1.6	8.2	2.4
21	2.9	.84	.48	.43	.46	.22	2.1	4.2	1.2	1.6	7.8	2.7
22	3.0	.84	.50	.40	.48	.20	2.4	4.1	1.2	1.5	6.8	2.6
23	2.9	.84	.50	.38	.48	.20	2.4	4.5	1.2	1.4	5.6	2.3
24	2.6	.80	.50	.40	.50	.20	2.1	4.7	1.1	1.3	4.6	2.4
25	2.4	.80	.48	.43	.52	.20	1.6	4.7	1.1	1.3	5.2	3.1
26	2.2	.80	.48	.44	.54	.24	1.8	4.2	1.2	1.2	6.5	3.4
27	2.0	.80	.48	.46	.54	.24	2.4	3.7	1.1	1.5	8.3	3.7
28	1.9	.70	.48	.48	.56	.26	2.4	2.9	1.1	1.8	7.3	4.9
29	1.8	.60	.48	.48	---	.28	1.4	2.4	1.2	1.7	5.9	5.3
30	1.7	.64	.48	.48	---	.31	1.3	2.0	1.1	1.6	4.4	5.3
31	1.5	---	.48	.48	---	.31	---	1.8	---	1.4	3.1	---
TOTAL	59.9	28.51	14.48	13.88	13.01	9.26	38.21	82.2	50.3	86.0	206.4	95.1
MEAN	1.93	.95	.47	.45	.46	.30	1.27	2.65	1.68	2.77	6.66	3.17
AC-FT	119	57	29	28	26	18	76	163	100	171	409	189
MAX	3.0	1.6	.68	.48	.56	.56	2.4	4.8	2.9	15	20	5.3
MIN	1.2	.26	.36	.38	.40	.20	.32	1.2	1.1	1.2	1.4	2.2

CAL YR	2005	TOTAL	959.09	MEAN	2.63	MAX	20	MIN	.26	AC-FT	1900
WTR YR	2006	TOTAL	697.25	MEAN	1.91	MAX	20	MIN	.20	AC-FT	1380

MAX DISCH: 44 CFS AT 23:15 ON Aug. 5, 2006 GH 3.79 FT. SHIFT -0.02 FT.
MAX GH: 3.79 FT. AT 23:15 ON Aug. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SPANISH CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

08229500 COTTONWOOD CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°56'51", long 105°39'05", in SE1/4NE1/4 Sec. 22, T.43 N., R.12 E., NMPM, Saguache Co., on left bank, 5 miles SE of Crestone.

DRAINAGE AREA.--5.0 mi².

GAGE.--Electronic shaft encoder and Data Collection Platform (DCP) with satellite transmitter in a 3 ft. by 3 ft. timber shelter and well. This gage is the original gage put in by the USGS in 1936.

REMARKS.--Gage-height record is complete and reliable except for Nov. 16, 2005 through Mar. 30, 2006 when station was closed for the winter. Record is good except for period of no gage-height data, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--COCRESCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	3.2	1.3	.90	.80	.90	.76	3.3	5.4	2.6	5.2	5.8
2	4.3	3.1	1.3	.90	.70	.90	.79	4.2	6.1	3.1	4.7	5.6
3	4.0	2.8	1.3	.90	.60	.90	.82	4.4	6.3	5.3	4.3	5.3
4	4.0	2.7	1.2	.80	.60	.90	.94	4.4	6.0	9.5	4.7	4.9
5	3.7	2.5	1.1	.80	.60	.90	.97	3.9	5.9	6.4	8.8	4.6
6	3.7	2.4	1.0	.80	.50	.90	.93	3.5	5.8	5.4	10	4.4
7	3.6	2.5	.90	.80	.50	.80	.88	3.7	5.4	4.7	10	4.5
8	3.4	2.4	.80	.80	.50	.70	.91	3.9	5.8	6.9	9.2	6.1
9	4.2	2.3	.80	.70	.50	.60	1.2	3.6	7.5	23	14	9.4
10	4.1	2.2	.80	.70	.50	.60	1.7	3.1	5.9	12	26	9.7
11	4.1	2.2	.90	.70	.50	.60	1.5	3.3	5.0	9.1	17	8.4
12	3.8	2.2	.90	.70	.50	.60	1.5	4.4	4.4	9.2	14	7.5
13	4.0	2.1	.90	.70	.50	.60	2.6	6.0	4.1	7.6	14	6.8
14	4.7	2.0	.80	.80	.60	.60	4.0	6.1	3.9	6.1	14	6.5
15	5.1	1.5	.70	.80	.60	.70	3.7	8.0	3.6	5.2	15	9.4
16	4.9	1.5	.70	.70	.60	.70	2.7	10	3.2	4.6	17	9.2
17	4.6	1.4	.70	.70	.60	.70	4.3	8.8	3.0	4.1	14	8.1
18	4.4	1.5	.80	.70	.60	.70	4.3	6.8	2.9	4.7	12	7.2
19	5.0	1.5	.80	.70	.60	.60	3.3	6.5	2.9	4.1	11	6.6
20	4.9	1.5	.90	.70	.60	.60	4.3	7.6	2.7	5.0	10	6.2
21	5.4	1.5	.90	.60	.50	.60	5.4	9.1	2.7	4.5	9.4	7.2
22	5.5	1.5	.90	.40	.50	.60	6.3	9.1	2.6	4.1	8.3	6.9
23	5.2	1.5	.90	.60	.50	.60	6.2	9.3	2.5	3.8	7.3	6.6
24	4.8	1.5	.90	.70	.50	.60	5.6	9.8	2.4	3.5	6.6	6.9
25	4.4	1.5	.90	.70	.60	.70	5.4	10	2.4	3.6	6.9	8.0
26	4.2	1.4	.90	.70	.70	.70	6.2	9.3	2.6	4.9	8.5	8.8
27	3.9	1.3	.90	.70	.80	.70	6.8	8.1	2.4	9.0	10	8.9
28	3.8	1.2	.90	.70	.90	.70	5.9	6.6	2.6	9.6	8.9	9.2
29	3.7	1.2	.90	.70	---	.70	3.7	5.1	3.1	7.3	7.7	9.2
30	3.4	1.2	.90	.70	---	.70	3.1	4.4	2.7	6.0	6.8	9.2
31	2.8	---	.90	.80	---	.75	---	4.7	---	5.3	6.1	---
TOTAL	132.5	57.3	28.50	22.60	16.50	21.85	96.70	191.0	121.8	200.2	321.4	217.1
MEAN	4.27	1.91	.92	.73	.59	.70	3.22	6.16	4.06	6.46	10.4	7.24
AC-FT	263	114	57	45	33	43	192	379	242	397	637	431
MAX	5.5	3.2	1.3	.90	.90	.90	6.8	10	7.5	23	26	9.7
MIN	2.8	1.2	.70	.40	.50	.60	.76	3.1	2.4	2.6	4.3	4.4

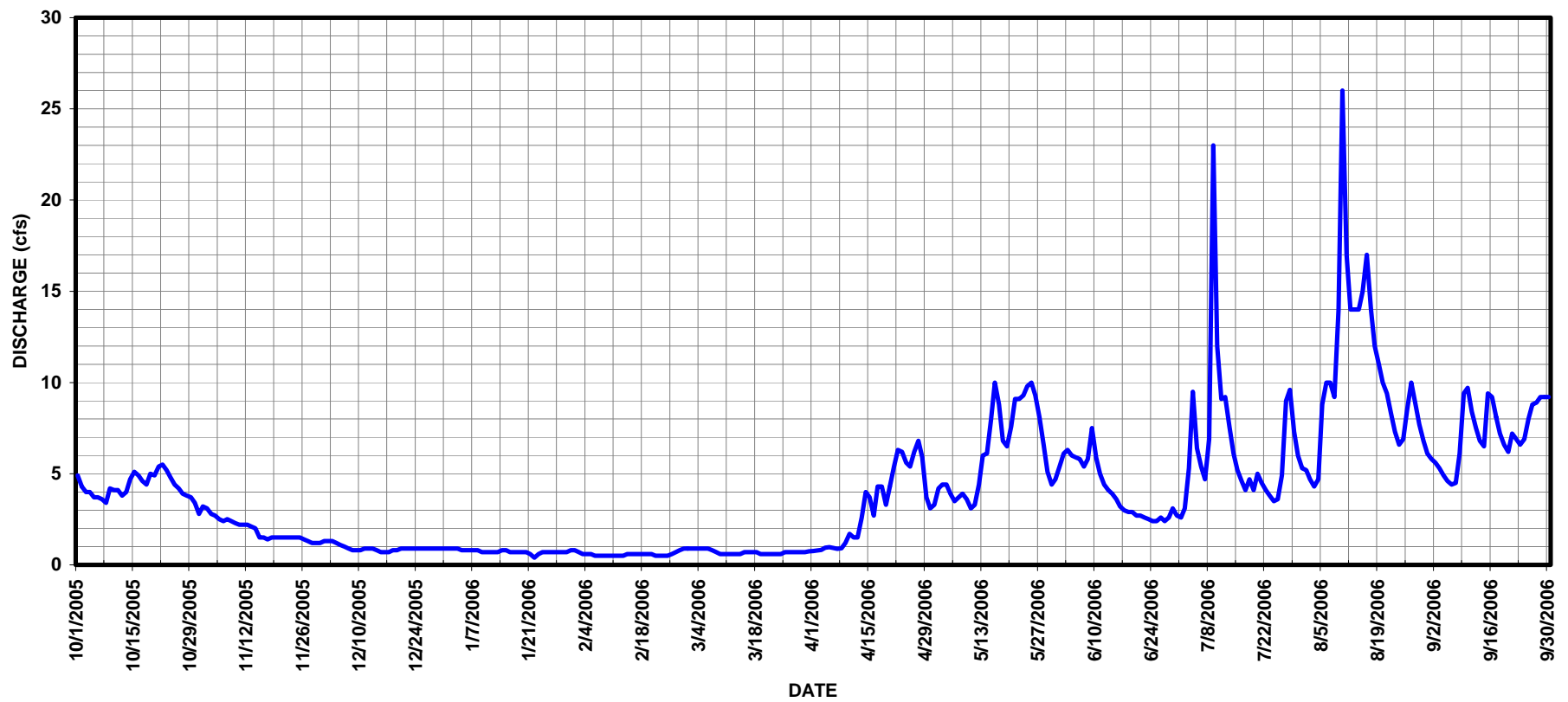
CAL YR	2005	TOTAL	2398.85	MEAN	6.57	MAX	66	MIN	.5	AC-FT	4760
WTR YR	2006	TOTAL	1427.45	MEAN	3.91	MAX	26	MIN	.4	AC-FT	2830

MAX DISCH: 36.4 CFS AT 01:15 ON Jul. 9, 2006 GH 2.59 FT. SHIFT -0.06 FT.

MAX GH: 2.59 FT. AT 01:15 ON Jul. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08229500 COTTONWOOD CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

DEADMAN CREEK NEAR CRESTONE, CO

LOCATION.--Lat 37°53'05", long 105°38'47", in NE1/4, SE1/4, Sec. 3, T.42 N., R.12 E., NMPM, Saguache Co., on right bank 8 miles SE of Crestone.

DRAINAGE AREA.--8.4 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 2-foot culvert pipe stilling well with a small, steel, box-like shelter on top. The well is connected to a standard 6 foot Parshall Flume in good condition. Elevation of gage is 7800 ft.

REMARKS.--Record is complete and reliable except for Nov. 16, 2005 through Apr. 5, 2006 when the well was frozen, Apr. 6-11, Jun. 21 through Jul. 3, 2006 when stilling well was isolated from flume. It was determined that the stilling well isolates from flume at a gage-height of 0.06 feet. Record is good except for periods of no gage-height, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DEDCRECO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

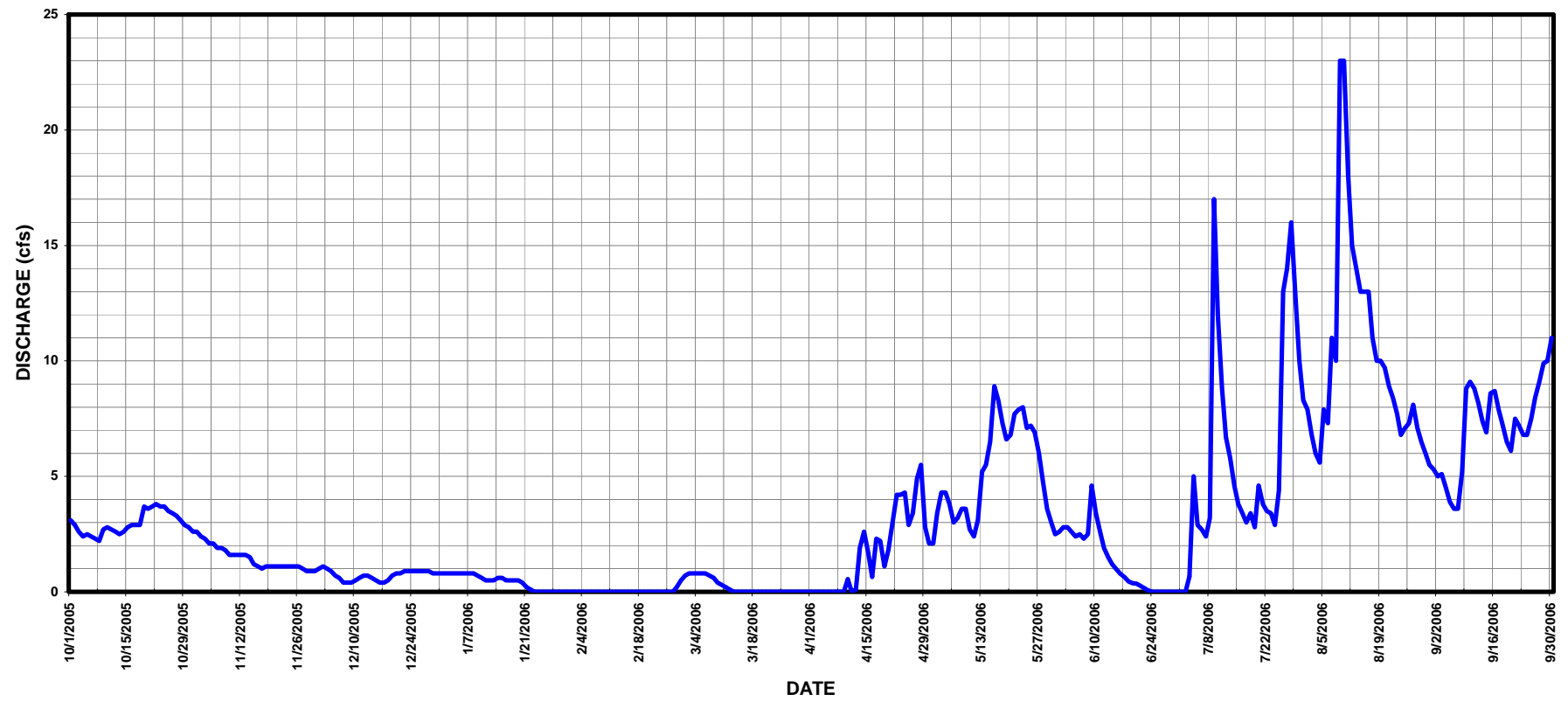
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.6	1.0	.80	0	.70	0	2.1	2.6	0	7.9	5.3
2	2.9	2.4	1.1	.80	0	.80	0	3.4	2.8	0	6.8	5.0
3	2.6	2.3	1.0	.80	0	.80	0	4.3	2.8	.67	6.0	5.1
4	2.4	2.1	.90	.80	0	.80	0	4.3	2.6	5.0	5.6	4.5
5	2.5	2.1	.70	.80	0	.80	0	3.8	2.4	2.9	7.9	3.9
6	2.4	1.9	.60	.80	0	.80	0	3.0	2.5	2.7	7.3	3.6
7	2.3	1.9	.40	.80	0	.70	0	3.2	2.3	2.4	11	3.6
8	2.2	1.8	.40	.80	0	.60	0	3.6	2.5	3.2	10	5.2
9	2.7	1.6	.40	.70	0	.40	0	3.6	4.6	17	23	8.8
10	2.8	1.6	.50	.60	0	.30	.54	2.7	3.4	12	23	9.1
11	2.7	1.6	.60	.50	0	.20	0	2.4	2.6	8.8	18	8.8
12	2.6	1.6	.70	.50	0	.10	.11	3.1	1.9	6.7	15	8.2
13	2.5	1.6	.70	.50	0	0	1.9	5.2	1.5	5.8	14	7.4
14	2.6	1.5	.60	.60	0	0	2.6	5.5	1.2	4.6	13	6.9
15	2.8	1.2	.50	.60	0	0	1.7	6.5	.98	3.8	13	8.6
16	2.9	1.1	.40	.50	0	0	.64	8.9	.79	3.4	13	8.7
17	2.9	1.0	.40	.50	0	0	2.3	8.3	.64	3.0	11	7.9
18	2.9	1.1	.50	.50	0	0	2.2	7.3	.45	3.4	10	7.2
19	3.7	1.1	.70	.50	0	0	1.1	6.6	.37	2.8	10	6.5
20	3.6	1.1	.80	.40	0	0	1.8	6.8	.35	4.6	9.7	6.1
21	3.7	1.1	.80	.20	0	0	3.0	7.7	.25	3.8	8.9	7.5
22	3.8	1.1	.90	.10	0	0	4.2	7.9	.15	3.5	8.4	7.2
23	3.7	1.1	.90	0	0	0	4.2	8.0	.05	3.4	7.7	6.8
24	3.7	1.1	.90	0	0	0	4.3	7.1	0	2.9	6.8	6.8
25	3.5	1.1	.90	0	0	0	2.9	7.2	0	4.4	7.1	7.5
26	3.4	1.1	.90	0	0	0	3.4	6.9	0	13	7.3	8.4
27	3.3	1.0	.90	0	.20	0	4.9	6.0	0	14	8.1	9.1
28	3.1	.90	.90	0	.50	0	5.5	4.8	0	16	7.1	9.9
29	2.9	.90	.80	0	---	0	2.8	3.6	0	13	6.5	10
30	2.8	.90	.80	0	---	0	2.1	3.0	0	10	6.0	11
31	2.6	---	.80	0	---	0	---	2.5	---	8.3	5.5	---
TOTAL	91.6	43.50	22.40	13.10	.70	7.00	52.19	159.3	39.73	185.07	314.6	214.6
MEAN	2.95	1.45	.72	.42	.025	.23	1.74	5.14	1.32	5.97	10.1	7.15
AC-FT	182	86	44	26	1.4	14	104	316	79	367	624	426
MAX	3.8	2.6	1.1	.80	.50	.80	5.5	8.9	4.6	17	23	11
MIN	2.2	.90	.40	0	0	0	0	2.1	0	0	5.5	3.6

CAL YR	2005	TOTAL	2128.88	MEAN	5.83	MAX	49	MIN	0.40	AC-FT	4220
WTR YR	2006	TOTAL	1143.79	MEAN	3.13	MAX	23	MIN	0	AC-FT	2270

MAX DISCH: 25.6 CFS AT 02:15 ON Aug. 10, 2006 GH 0.98 FT. SHIFT 0.06 FT.
MAX GH: 0.98 FT. AT 02:15 ON Aug. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DEADMAN CREEK NEAR CRESTONE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO

LOCATION.--Lat 37°42'49", long 105°38'55", in Alamosa county, in the NE¼SW¼, sec. 15, T.40 N., R.12 E., New Mexico Principal Meridian.

DRAINAGE AREA AND PERIOD OF RECORD.--0.2 mi². Flow primarily due to groundwater accretions. First record produced for water year 2000.

GAGE.--Record is generated by a Stevens data logger, which records gage-height data from a float-operated shaft encoder in a 30 inch diameter pipe stilling well with lid a few inches above ground level. The intake pipe is attached to a 2-foot Parshall Flume with staff gage. The Stevens data logger was replaced with a Sutron SDR on March 30, 2006. A 30 inch diameter CMP extension with shelf and door was added to well on September 20, 2006 to raise electronic equipment above ground level.

REMARKS.--Record is complete and reliable except for Oct. 26, 2005 through Mar. 30, 2006 when data logger malfunctioned and data were lost. Record is good except for periods of no gage-height record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LITSPGCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

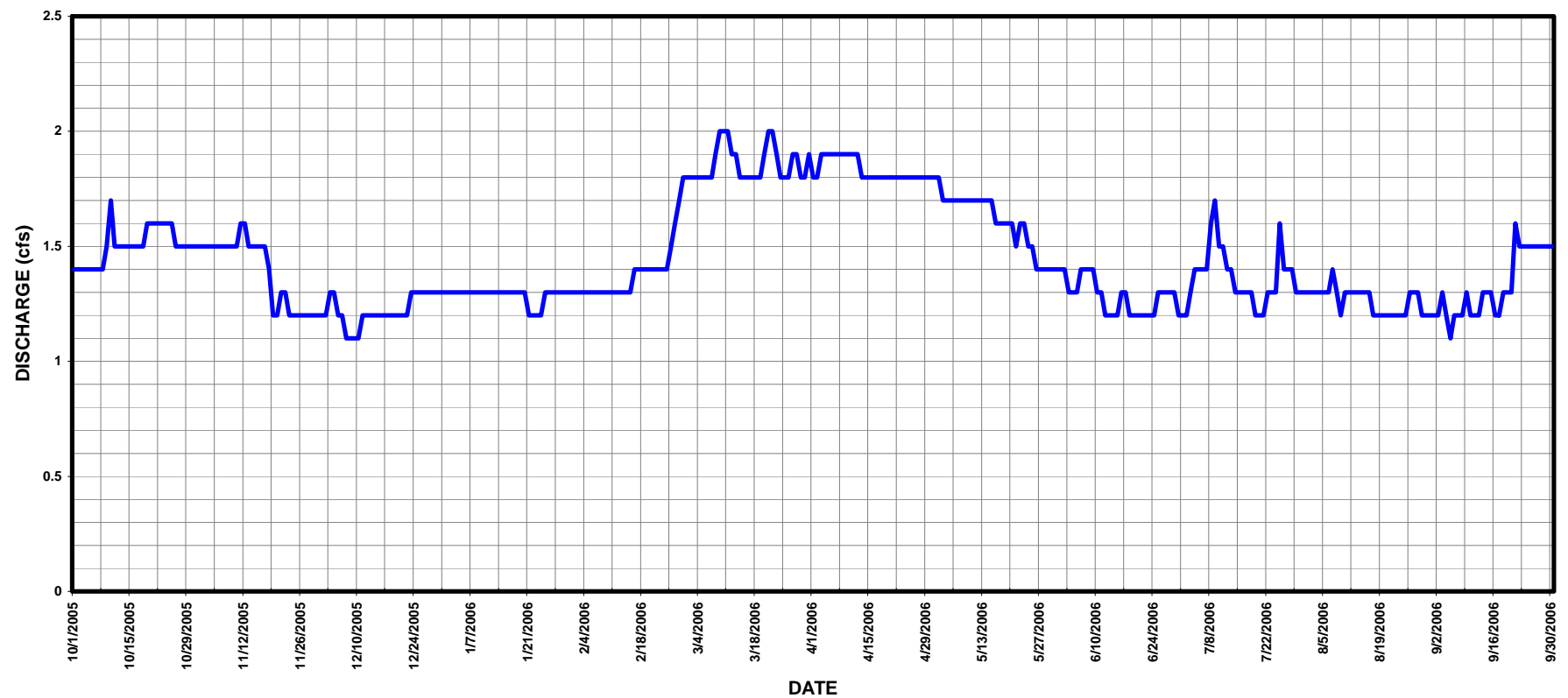
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.5	1.2	1.3	1.3	1.8	1.8	1.8	1.4	1.2	1.3	1.2
2	1.4	1.5	1.2	1.3	1.3	1.8	1.8	1.8	1.4	1.2	1.3	1.2
3	1.4	1.5	1.3	1.3	1.3	1.8	1.9	1.7	1.3	1.3	1.3	1.3
4	1.4	1.5	1.3	1.3	1.3	1.8	1.9	1.7	1.3	1.4	1.3	1.2
5	1.4	1.5	1.2	1.3	1.3	1.8	1.9	1.7	1.3	1.4	1.3	1.1
6	1.4	1.5	1.2	1.3	1.3	1.8	1.9	1.7	1.4	1.4	1.3	1.2
7	1.4	1.5	1.1	1.3	1.3	1.8	1.9	1.7	1.4	1.4	1.4	1.2
8	1.4	1.5	1.1	1.3	1.3	1.9	1.9	1.7	1.4	1.6	1.3	1.2
9	1.5	1.5	1.1	1.3	1.3	2.0	1.9	1.7	1.4	1.7	1.2	1.3
10	1.7	1.5	1.1	1.3	1.3	2.0	1.9	1.7	1.3	1.5	1.3	1.2
11	1.5	1.6	1.2	1.3	1.3	2.0	1.9	1.7	1.3	1.5	1.3	1.2
12	1.5	1.6	1.2	1.3	1.3	1.9	1.9	1.7	1.2	1.4	1.3	1.2
13	1.5	1.5	1.2	1.3	1.3	1.9	1.8	1.7	1.2	1.4	1.3	1.3
14	1.5	1.5	1.2	1.3	1.3	1.8	1.8	1.7	1.2	1.3	1.3	1.3
15	1.5	1.5	1.2	1.3	1.3	1.8	1.8	1.7	1.2	1.3	1.3	1.3
16	1.5	1.5	1.2	1.3	1.4	1.8	1.8	1.6	1.3	1.3	1.3	1.2
17	1.5	1.5	1.2	1.3	1.4	1.8	1.8	1.6	1.3	1.3	1.2	1.2
18	1.5	1.4	1.2	1.3	1.4	1.8	1.8	1.6	1.2	1.3	1.2	1.3
19	1.6	1.2	1.2	1.3	1.4	1.8	1.8	1.6	1.2	1.2	1.2	1.3
20	1.6	1.2	1.2	1.3	1.4	1.9	1.8	1.6	1.2	1.2	1.2	1.3
21	1.6	1.3	1.2	1.2	1.4	2.0	1.8	1.5	1.2	1.2	1.2	1.6
22	1.6	1.3	1.2	1.2	1.4	2.0	1.8	1.6	1.2	1.3	1.2	1.5
23	1.6	1.2	1.3	1.2	1.4	1.9	1.8	1.6	1.2	1.3	1.2	1.5
24	1.6	1.2	1.3	1.2	1.4	1.8	1.8	1.5	1.2	1.3	1.2	1.5
25	1.6	1.2	1.3	1.3	1.5	1.8	1.8	1.5	1.3	1.6	1.2	1.5
26	1.5	1.2	1.3	1.3	1.6	1.8	1.8	1.4	1.3	1.4	1.3	1.5
27	1.5	1.2	1.3	1.3	1.7	1.9	1.8	1.4	1.3	1.4	1.3	1.5
28	1.5	1.2	1.3	1.3	1.8	1.9	1.8	1.4	1.3	1.4	1.3	1.5
29	1.5	1.2	1.3	1.3	---	1.8	1.8	1.4	1.3	1.3	1.2	1.5
30	1.5	1.2	1.3	1.3	---	1.8	1.8	1.4	1.2	1.3	1.2	1.5
31	1.5	---	1.3	1.3	---	1.9	---	1.4	---	1.3	1.2	---
TOTAL	46.6	41.7	37.9	39.9	38.7	57.6	55.0	49.8	38.4	42.1	39.1	39.8
MEAN	1.50	1.39	1.22	1.29	1.38	1.86	1.83	1.61	1.28	1.36	1.26	1.33
AC-FT	92	83	75	79	77	114	109	99	76	84	78	79
MAX	1.7	1.6	1.3	1.3	1.8	2.0	1.9	1.8	1.4	1.7	1.4	1.6
MIN	1.4	1.2	1.1	1.2	1.3	1.8	1.8	1.4	1.2	1.2	1.2	1.1
CAL YR	2005	TOTAL	536.8	MEAN	1.47	MAX	2.2	MIN	0.96	AC-FT	1060	
WTR YR	2006	TOTAL	526.6	MEAN	1.44	MAX	2.0	MIN	1.1	AC-FT	1040	

MAX DISCH: 2.99 CFS AT 21:15 ON Jul. 25, 2006 GH 0.52 FT. SHIFT 0.01 FT.

MAX GH: 0.52 FT. AT 21:15 ON Jul. 25, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY

BIG SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO

LOCATION.--Lat 37°44'03", long 105°39'50", in NE ¼ NW ¼ Sec. 9, T.40 N., R.12 E., NMPM, Alamosa Co., on left bank approximately ¼ mile above Los Ojos Diversion.

DRAINAGE AREA AND PERIOD OF RECORD.--0.3 mi². First record produced in 1999. Flow primarily due to groundwater accretions.

GAGE.--Record is generated by a Stevens data logger, which records gage-height data from a float-operated shaft encoder in a 30 inch diameter pipe stilling well with lid a few inches above ground level. The intake pipe is attached to a 4-foot Parshall Flume with staff gage. The Stevens data logger was replaced with a Sutron SDR on October 26, 2005. The Parshall Flume was modified by placing a steel V-ramp into converging section of flume on July 24, 2006. A 30 inch diameter CMP extension with shelf and door was added to well on September 20, 2006 to raise electronic equipment above ground level. Elevation of gage is 7580 ft.

REMARKS.--Record is complete and reliable for the water year, except for Dec. 8, 2005 when the well was frozen and Dec. 9, 2005 through Mar. 3, 2006 when the float tape was off encoder pulley. The stage-discharge relation was affected by ice Nov. 16, 20, 23, 25-30, Dec. 1, 4-7, 2005, and Mar. 11, 13, 14, 2006. Before the flume modification, the flume was continuously submerged to some extent. Record is good to fair due to flume submergence, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--BIGSPGCO01 USED FROM 01-OCT-2005 TO 24-JUL-2006
BIGSPGCO02 USED FROM 24-JUL-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

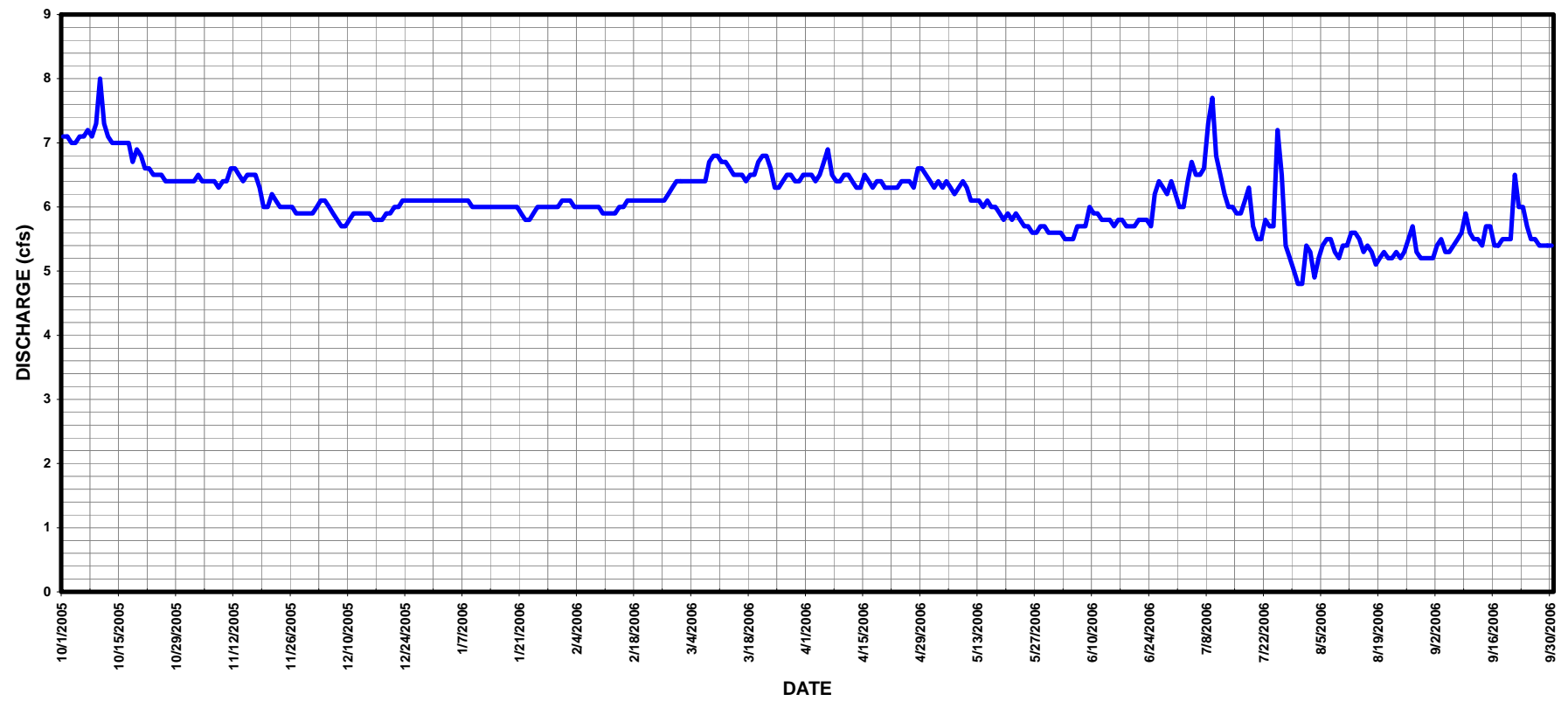
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	6.4	5.9	6.1	6.1	6.4	6.5	6.4	5.6	6.0	5.4	5.2
2	7.1	6.4	6.0	6.1	6.1	6.4	6.5	6.3	5.6	6.0	5.3	5.4
3	7.0	6.5	6.1	6.1	6.0	6.4	6.4	6.4	5.5	6.4	4.9	5.5
4	7.0	6.4	6.1	6.1	6.0	6.4	6.5	6.3	5.5	6.7	5.2	5.3
5	7.1	6.4	6.0	6.1	6.0	6.4	6.7	6.4	5.5	6.5	5.4	5.3
6	7.1	6.4	5.9	6.1	6.0	6.4	6.9	6.3	5.7	6.5	5.5	5.4
7	7.2	6.4	5.8	6.1	6.0	6.4	6.5	6.2	5.7	6.6	5.5	5.5
8	7.1	6.3	5.7	6.1	6.0	6.7	6.4	6.3	5.7	7.3	5.3	5.6
9	7.3	6.4	5.7	6.0	6.0	6.8	6.4	6.4	6.0	7.7	5.2	5.9
10	8.0	6.4	5.8	6.0	5.9	6.8	6.5	6.3	5.9	6.8	5.4	5.6
11	7.3	6.6	5.9	6.0	5.9	6.7	6.5	6.1	5.9	6.5	5.4	5.5
12	7.1	6.6	5.9	6.0	5.9	6.7	6.4	6.1	5.8	6.2	5.6	5.5
13	7.0	6.5	5.9	6.0	5.9	6.6	6.3	6.1	5.8	6.0	5.6	5.4
14	7.0	6.4	5.9	6.0	6.0	6.5	6.3	6.0	5.8	6.0	5.5	5.7
15	7.0	6.5	5.9	6.0	6.0	6.5	6.5	6.1	5.7	5.9	5.3	5.7
16	7.0	6.5	5.8	6.0	6.1	6.5	6.4	6.0	5.8	5.9	5.4	5.4
17	7.0	6.5	5.8	6.0	6.1	6.4	6.3	6.0	5.8	6.1	5.3	5.4
18	6.7	6.3	5.8	6.0	6.1	6.5	6.4	5.9	5.7	6.3	5.1	5.5
19	6.9	6.0	5.9	6.0	6.1	6.5	6.4	5.8	5.7	5.7	5.2	5.5
20	6.8	6.0	5.9	6.0	6.1	6.7	6.3	5.9	5.7	5.5	5.3	5.5
21	6.6	6.2	6.0	5.9	6.1	6.8	6.3	5.8	5.8	5.5	5.2	6.5
22	6.6	6.1	6.0	5.8	6.1	6.8	6.3	5.9	5.8	5.8	5.2	6.0
23	6.5	6.0	6.1	5.8	6.1	6.6	6.3	5.8	5.8	5.7	5.3	6.0
24	6.5	6.0	6.1	5.9	6.1	6.3	6.4	5.7	5.7	5.7	5.2	5.7
25	6.5	6.0	6.1	6.0	6.1	6.3	6.4	5.7	6.2	7.2	5.3	5.5
26	6.4	6.0	6.1	6.0	6.2	6.4	6.4	5.6	6.4	6.5	5.5	5.5
27	6.4	5.9	6.1	6.0	6.3	6.5	6.3	5.6	6.3	5.4	5.7	5.4
28	6.4	5.9	6.1	6.0	6.4	6.5	6.6	5.7	6.2	5.2	5.3	5.4
29	6.4	5.9	6.1	6.0	---	6.4	6.6	5.7	6.4	5.0	5.2	5.4
30	6.4	5.9	6.1	6.0	---	6.4	6.5	5.6	6.2	4.8	5.2	5.4
31	6.4	---	6.1	6.1	---	6.5	---	5.6	---	4.8	5.2	---
TOTAL	212.9	187.8	184.6	186.3	169.7	202.2	193.2	186.0	175.2	188.2	165.1	166.6
MEAN	6.87	6.26	5.95	6.01	6.06	6.52	6.44	6.00	5.84	6.07	5.33	5.55
AC-FT	422	373	366	370	337	401	383	369	348	373	327	330
MAX	8.0	6.6	6.1	6.1	6.4	6.8	6.9	6.4	6.4	7.7	5.7	6.5
MIN	6.4	5.9	5.7	5.8	5.9	6.3	6.3	5.6	5.5	4.8	4.9	5.2

CAL YR	2005	TOTAL	2360.0	MEAN	6.47	MAX	8.7	MIN	5.3	AC-FT	4680
WTR YR	2006	TOTAL	2217.8	MEAN	6.08	MAX	8.0	MIN	4.8	AC-FT	4400

MAX DISCH: 11.8 CFS AT 20:00 ON Jul. 25, 2006 GH 1.39 FT. SHIFT 0.04 FT.

MAX GH: 1.63 FT. AT 12:00 ON Dec. 5, 2005 (Ice Affected)

**BIG SPRING CREEK AT MEDANO RANCH NEAR MOSCA CO
WY2006 HYDROGRAPH**



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY, CO

08230500 CARNERO CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°51'39", long 106°18'55", in SW¼NE¼ sec 28, T.42 N., R.6 E., (projected) Saguache County, Hydrologic Unit 13010004, on left bank 4.5 mi. northwest of La Garita and 5.5 mi. downstream from North Fork.

DRAINAGE AREA.--117 mi².

GAGE.--Water-stage recorder and Sutron Satellite system in a 42" diameter well and shelter. Datum of gage is 8,150 ft. from topographic map.

REMARKS.--Record is complete and reliable except for November 23, 2005 to March 8, 2006, when the station was closed for the winter, and March 9-31, 2006 when ice in the well was affecting the shaft encoder float. Stage-discharge relation was affected by ice November 15-22, 2005, and April 2, 4-7, 2006. Record is good, except for periods of no gage-height and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CARLAGCO15 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

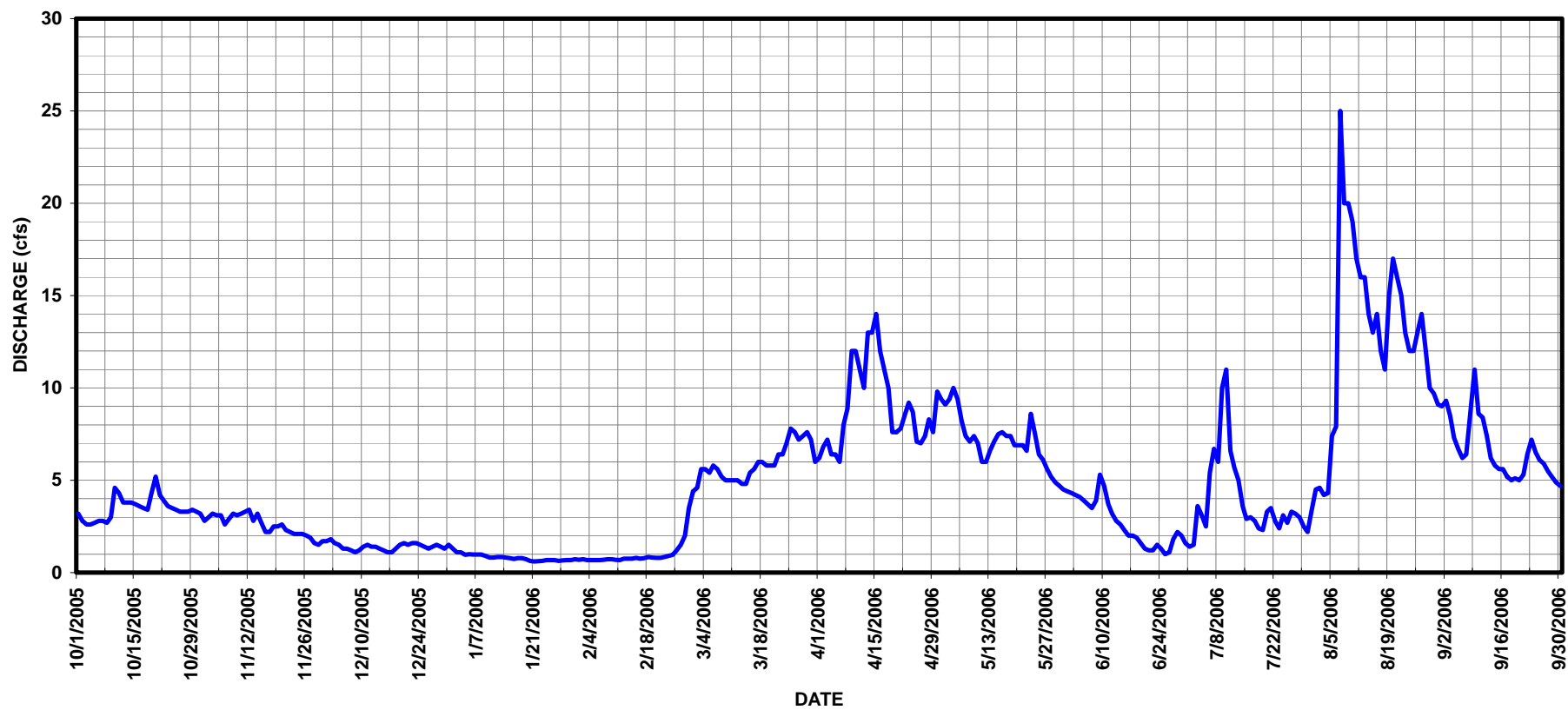
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.8	1.7	1.3	.70	4.4	6.2	9.4	4.4	1.4	4.5	9.0
2	2.8	3.0	1.8	1.1	.72	4.6	6.8	9.1	4.3	1.5	4.6	9.3
3	2.6	3.2	1.6	1.1	.68	5.6	7.2	9.4	4.2	3.6	4.2	8.5
4	2.6	3.1	1.5	.96	.68	5.6	6.4	10	4.1	3.1	4.3	7.3
5	2.7	3.1	1.3	1.0	.68	5.4	6.4	9.4	3.9	2.5	7.4	6.7
6	2.8	2.6	1.3	.98	.68	5.8	6.0	8.2	3.7	5.4	7.9	6.2
7	2.8	2.9	1.2	.98	.70	5.6	8.0	7.4	3.5	6.7	25	6.4
8	2.7	3.2	1.1	.98	.72	5.2	8.9	7.1	3.9	6.0	20	8.7
9	3.0	3.1	1.2	.90	.72	5.0	12	7.4	5.3	10	20	11
10	4.6	3.2	1.4	.82	.70	5.0	12	7.0	4.7	11	19	8.6
11	4.3	3.3	1.5	.82	.68	5.0	11	6.0	3.7	6.6	17	8.4
12	3.8	3.4	1.4	.84	.76	5.0	10	6.0	3.2	5.7	16	7.4
13	3.8	2.8	1.4	.84	.76	4.8	13	6.6	2.8	5.0	16	6.2
14	3.8	3.2	1.3	.82	.76	4.8	13	7.1	2.6	3.6	14	5.8
15	3.7	2.7	1.2	.78	.80	5.4	14	7.5	2.3	2.9	13	5.6
16	3.6	2.2	1.1	.74	.76	5.6	12	7.6	2.0	3.0	14	5.6
17	3.5	2.2	1.1	.78	.78	6.0	11	7.4	2.0	2.8	12	5.2
18	3.4	2.5	1.3	.78	.84	6.0	10	7.4	1.9	2.4	11	5.0
19	4.3	2.5	1.5	.72	.82	5.8	7.6	6.9	1.6	2.3	15	5.1
20	5.2	2.6	1.6	.64	.80	5.8	7.6	6.9	1.3	3.3	17	5.0
21	4.2	2.3	1.5	.60	.80	5.8	7.8	6.9	1.2	3.5	16	5.3
22	3.9	2.2	1.6	.62	.84	6.4	8.5	6.6	1.2	2.8	15	6.4
23	3.6	2.1	1.6	.64	.90	6.4	9.2	8.6	1.5	2.4	13	7.2
24	3.5	2.1	1.5	.68	.96	7.0	8.7	7.5	1.3	3.1	12	6.5
25	3.4	2.1	1.4	.68	1.2	7.8	7.1	6.4	1.0	2.7	12	6.1
26	3.3	2.0	1.3	.68	1.5	7.6	7.0	6.1	1.1	3.3	13	5.9
27	3.3	1.9	1.4	.64	2.0	7.2	7.4	5.6	1.8	3.2	14	5.5
28	3.3	1.6	1.5	.66	3.5	7.4	8.3	5.2	2.2	3.0	12	5.2
29	3.4	1.5	1.4	.68	---	7.6	7.6	4.9	2.0	2.5	10	4.9
30	3.3	1.7	1.3	.68	---	7.2	9.8	4.7	1.6	2.2	9.7	4.7
31	3.2	---	1.5	.72	---	6.0	---	4.5	---	3.4	9.1	---
TOTAL	107.6	77.1	43.5	25.16	26.44	182.8	270.5	220.8	80.3	120.9	397.7	198.7
MEAN	3.47	2.57	1.40	.81	.94	5.90	9.02	7.12	2.68	3.90	12.8	6.62
AC-FT	213	153	86	50	52	363	537	438	159	240	789	394
MAX	5.2	3.4	1.8	1.3	3.5	7.8	14	10	5.3	11	25	11
MIN	2.6	1.5	1.1	.60	.68	4.4	6.0	4.5	1.0	1.4	4.2	4.7

CAL YR	2005	TOTAL	2677.7	MEAN	7.3	MAX	44	MIN	1.1	AC-FT	5310
WTR YR	2006	TOTAL	1751.5	MEAN	4.8	MAX	25	MIN	.6	AC-FT	3470

MAX DISCH: 40.2 CFS AT 09:45 ON Aug. 7, 2006 GH 2.58 FT. SHIFT 0.02 FT.
MAX GH: 2.58 FT. AT 09:45 ON Aug. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08230500 CARNERO CREEK NEAR LA GARITA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

CLOSED BASIN IN SAN LUIS VALLEY,

08231000 LA GARITA CREEK NEAR LA GARITA, CO

LOCATION.--Lat 37°48'48", long 106°19'05", in NW¼SE¼ sec. 9, T.41 N., R.6 E., Saguache County, Hydrologic Unit 13010004, on right bank 3.75 mi. downstream from Little La Garita Creek and 4.5 mi. southwest of La Garita, Co.

DRAINAGE AREA AND PERIOD OF RECORD.--61 mi². Non-recording station Apr. 01, 1919-June 23, 1927. Recording station from June 1927-Oct. 1998, at which time a Data Logger was installed. April 1999 satellite telemetry system installed. Station at various sites all within ¼ mile of present site.

GAGE.--Graphic water-stage recorder and satellite-monitored data collection platform in 4-foot diameter CMP shelter and well. Altitude of gage is 8,030 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following periods; Nov. 23, 2005 to March 31, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 16, 18-22, 2005. Record is good, except for periods of no gage-height and ice-affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LAGLAGC012 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

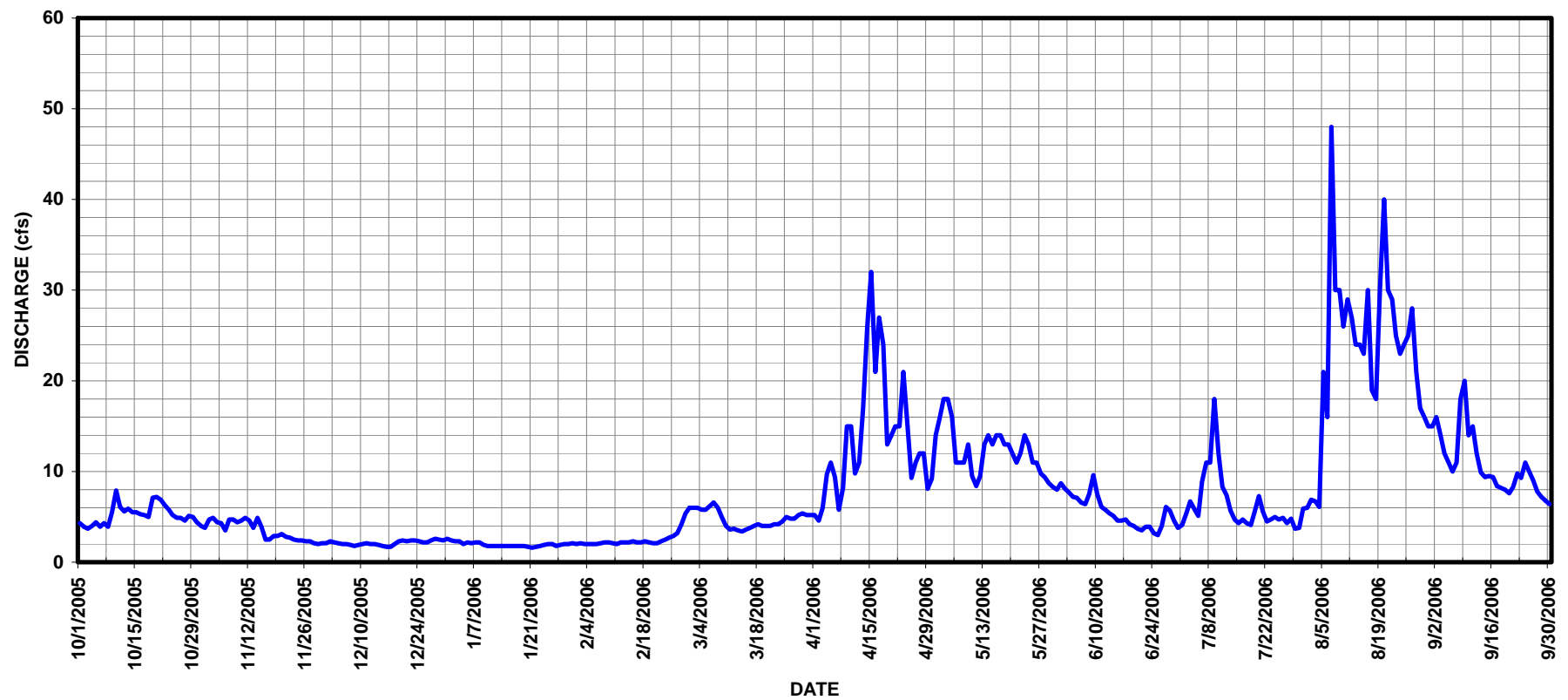
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	3.8	2.1	2.4	2.0	6.0	5.2	14	8.7	4.1	6.0	15
2	3.9	4.7	2.3	2.3	2.1	6.0	4.6	16	8.1	5.3	6.9	16
3	3.7	4.9	2.2	2.3	2.0	6.0	6.0	18	7.7	6.7	6.7	14
4	4.0	4.4	2.1	2.0	2.0	5.8	9.7	18	7.2	5.9	6.1	12
5	4.4	4.3	2.0	2.2	2.0	5.8	11	16	7.1	5.1	21	11
6	3.9	3.5	2.0	2.1	2.0	6.2	9.4	11	6.6	8.9	16	10
7	4.3	4.7	1.9	2.2	2.1	6.6	5.8	11	6.4	11	48	11
8	3.9	4.7	1.8	2.2	2.2	6.0	8.2	11	7.5	11	30	18
9	5.5	4.4	1.9	1.9	2.2	5.0	15	13	9.6	18	30	20
10	7.9	4.6	2.0	1.8	2.1	4.0	15	9.5	7.5	12	26	14
11	6.1	4.9	2.1	1.8	2.0	3.6	9.8	8.4	6.1	8.3	29	15
12	5.6	4.6	2.0	1.8	2.2	3.7	11	9.5	5.8	7.4	27	12
13	5.9	3.8	2.0	1.8	2.2	3.5	17	13	5.4	5.7	24	9.9
14	5.5	4.9	1.9	1.8	2.2	3.4	26	14	5.1	4.7	24	9.4
15	5.5	3.9	1.8	1.8	2.3	3.6	32	13	4.6	4.3	23	9.5
16	5.3	2.5	1.7	1.8	2.2	3.8	21	14	4.6	4.7	30	9.4
17	5.2	2.5	1.7	1.8	2.2	4.0	27	14	4.7	4.3	19	8.4
18	5.0	2.9	2.0	1.8	2.3	4.2	24	13	4.2	4.1	18	8.2
19	7.1	2.9	2.3	1.8	2.2	4.0	13	13	4.0	5.6	30	8.0
20	7.2	3.1	2.4	1.7	2.1	4.0	14	12	3.7	7.3	40	7.6
21	6.9	2.8	2.3	1.6	2.1	4.0	15	11	3.5	5.6	30	8.3
22	6.3	2.7	2.4	1.7	2.3	4.2	15	12	3.9	4.5	29	9.8
23	5.8	2.5	2.4	1.8	2.5	4.2	21	14	3.9	4.7	25	9.3
24	5.2	2.4	2.3	1.9	2.7	4.5	15	13	3.2	5.0	23	11
25	4.9	2.4	2.2	2.0	2.9	5.0	9.3	11	3.0	4.7	24	10
26	4.9	2.3	2.2	2.0	3.2	4.8	11	11	4.0	4.9	25	9.0
27	4.6	2.3	2.4	1.8	4.2	4.8	12	9.8	6.1	4.3	28	7.8
28	5.1	2.1	2.6	1.9	5.4	5.2	12	9.4	5.7	4.8	21	7.2
29	5.0	2.0	2.5	2.0	---	5.4	8.1	8.7	4.6	3.7	17	6.8
30	4.4	2.1	2.4	2.0	---	5.2	9.2	8.3	3.8	3.8	16	6.4
31	4.0	---	2.6	2.1	---	5.2	---	8.0	---	5.9	15	---
TOTAL	161.3	103.6	66.5	60.1	67.9	147.7	412.3	377.6	166.3	196.3	713.7	324.0
MEAN	5.20	3.45	2.15	1.94	2.43	4.76	13.7	12.2	5.54	6.33	23.0	10.8
AC-FT	320	205	132	119	135	293	818	749	330	389	1420	643
MAX	7.9	4.9	2.6	2.4	5.4	6.6	32	18	9.6	18	48	20
MIN	3.7	2.0	1.7	1.6	2.0	3.4	4.6	8.0	3.0	3.7	6.0	6.4

CAL YR	2005	TOTAL	4228.6	MEAN	11.6	MAX	96	MIN	1.7	AC-FT	8390
WTR YR	2006	TOTAL	2797.3	MEAN	7.66	MAX	48	MIN	1.6	AC-FT	5550

MAX DISCH: 75.4 CFS AT 05:45 ON Aug. 7, 2006 GH 2.94 FT. SHIFT -0.06 FT.
MAX GH: 2.94 FT. AT 05:45 ON Aug. 7, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08231000 LA GARITA CREEK NEAR LA GARITA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08235250 ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER, CO

LOCATION.--Lat 37°24'09", long 106°31'17", in SE¼SW¼ sec.35, T.37 N., R.4 E., Rio Grande Co. Hydrologic Unit 13010002, Rio Grande National Forest, on left bank 150' upstream from Wightman Fork, 1.9 mi downstream from Bitter Creek, 4.1 mi west of Jasper, and 4.2 mi southeast of Summitville.

DRAINAGE AREA AND PERIOD OF RECORD.--37.8 mi².

GAGE.--Shelter is a steel building 4 ft by 4 ft by 8 ft. Shelter houses DCP (data collection platform) connected to Sutron Accubar and Hydrolab for stage and water-quality data collection. DCP stores data and is monitored by satellite.

REMARKS.--Record complete for period of operation, October 1- 29, 2005, April 22 to September 30, 2006, except for October 29,2005, April 22, July 25 - 29, September 24 - 27, 2006 when there was missing satellite data. Gage-height not representative of average ("e" record) August 5 - 19, 25, September 28-30, 2006 due to silt around the orifice line or moisture in the orifice line causing many high pressure transducer readings. Record is fair except for periods of missing gage-height record, and periods when gage height was not representative of average which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Personnel.

RATING TABLE.--ALAWIGCO05 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, PERIOD OF RECORD OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	---	---	---	---	---	---	83	257	35	35	34
2	46	---	---	---	---	---	---	101	244	40	31	33
3	42	---	---	---	---	---	---	143	244	51	29	29
4	93	---	---	---	---	---	---	186	253	38	37	26
5	81	---	---	---	---	---	---	185	236	36	78	24
6	70	---	---	---	---	---	---	171	224	70	62	23
7	61	---	---	---	---	---	---	190	214	58	117	27
8	55	---	---	---	---	---	---	208	225	104	135	40
9	76	---	---	---	---	---	---	175	229	92	133	34
10	72	---	---	---	---	---	---	114	180	71	143	33
11	64	---	---	---	---	---	---	105	152	61	110	31
12	60	---	---	---	---	---	---	145	130	53	95	29
13	60	---	---	---	---	---	---	213	114	44	91	27
14	61	---	---	---	---	---	---	237	104	39	88	26
15	60	---	---	---	---	---	---	290	82	38	86	61
16	61	---	---	---	---	---	---	341	70	31	81	50
17	59	---	---	---	---	---	---	344	70	28	68	41
18	57	---	---	---	---	---	---	338	70	27	55	38
19	69	---	---	---	---	---	---	393	65	31	54	35
20	63	---	---	---	---	---	---	465	61	26	47	34
21	61	---	---	---	---	---	---	503	55	23	40	38
22	57	---	---	---	---	---	72	432	51	28	37	36
23	53	---	---	---	---	---	94	469	48	31	34	38
24	49	---	---	---	---	---	92	462	44	22	48	40
25	45	---	---	---	---	---	87	426	42	22	50	42
26	43	---	---	---	---	---	103	410	40	23	55	46
27	39	---	---	---	---	---	133	339	37	23	52	48
28	38	---	---	---	---	---	137	259	37	24	43	47
29	36	---	---	---	---	---	90	205	37	24	38	45
30	---	---	---	---	---	---	78	219	34	25	34	44
31	---	---	---	---	---	---	---	241	---	32	32	---
TOTAL	1683	---	---	---	---	---	886	8392	3649	1250	2038	1099
MEAN	58.0	---	---	---	---	---	98.4	271	122	40.3	65.7	36.6
AC-FT	3340	---	---	---	---	---	1760	16650	7240	2480	4040	2180
MAX	93	---	---	---	---	---	137	503	257	104	143	61
MIN	36	---	---	---	---	---	72	83	34	22	29	23

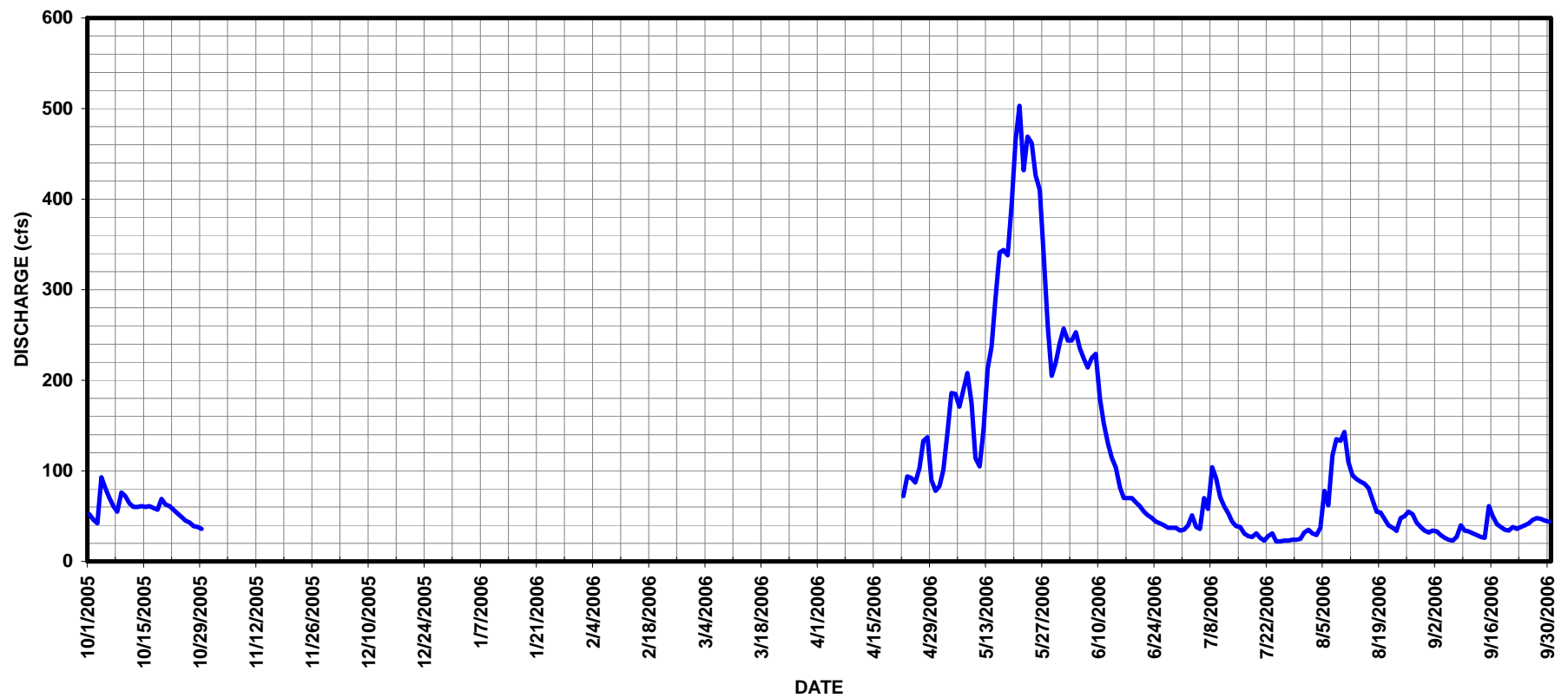
WTR YR 2006 TOTAL 18997 MEAN 99.5 MAX 503 MIN 22 AC-FT 37680 (PARTIAL YEAR RECORD)

MAX DISCH: 798 CFS AT 19:15 ON May. 21, 2006 GH 5.18 FT. SHIFT -0.05 FT.

MAX GH: 5.18 FT. AT 19:15 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235250 ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE, CO

LOCATION.--Lat. 37°25'45", long 106°35'03", in NW¼NW¼ sec. 29, T.37N., R.4 E., Rio Grande Co., Hydrologic Unit 13010002, on left bank about 200 ft. downstream from Cropsy Creek, and 0.25 mi east of Summitville.

DRAINAGE AREA AND PERIOD OF RECORD.--4.44 mi². July 1995 to current year (seasonal records only).

GAGE.--Shelter is 4 ft by 4 ft by 8 ft steel building. Sutron Accubar is used to register stream water levels. Satellite-monitored data collection platform (DCP) is used to store and transmit data. New solar panels installed during year. Elevation of gage is 11,120 ft. above sea level.

REMARKS.--Record is complete for period of operation, October 1 to November 8, 2005 and May 9, to September 30, 2006, except for November 2 - 7, 2005 when the pressure transducer orifice line was loose; November 8, 2005 and May 9, 2006 when there was missing data. Stage discharge relationship was affected by ice on October 31, 2005. Record is fair, except for periods of no gage height record, which is poor, and ice-affected record which is fair. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKCROCO05 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, PERIOD OF RECORD OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

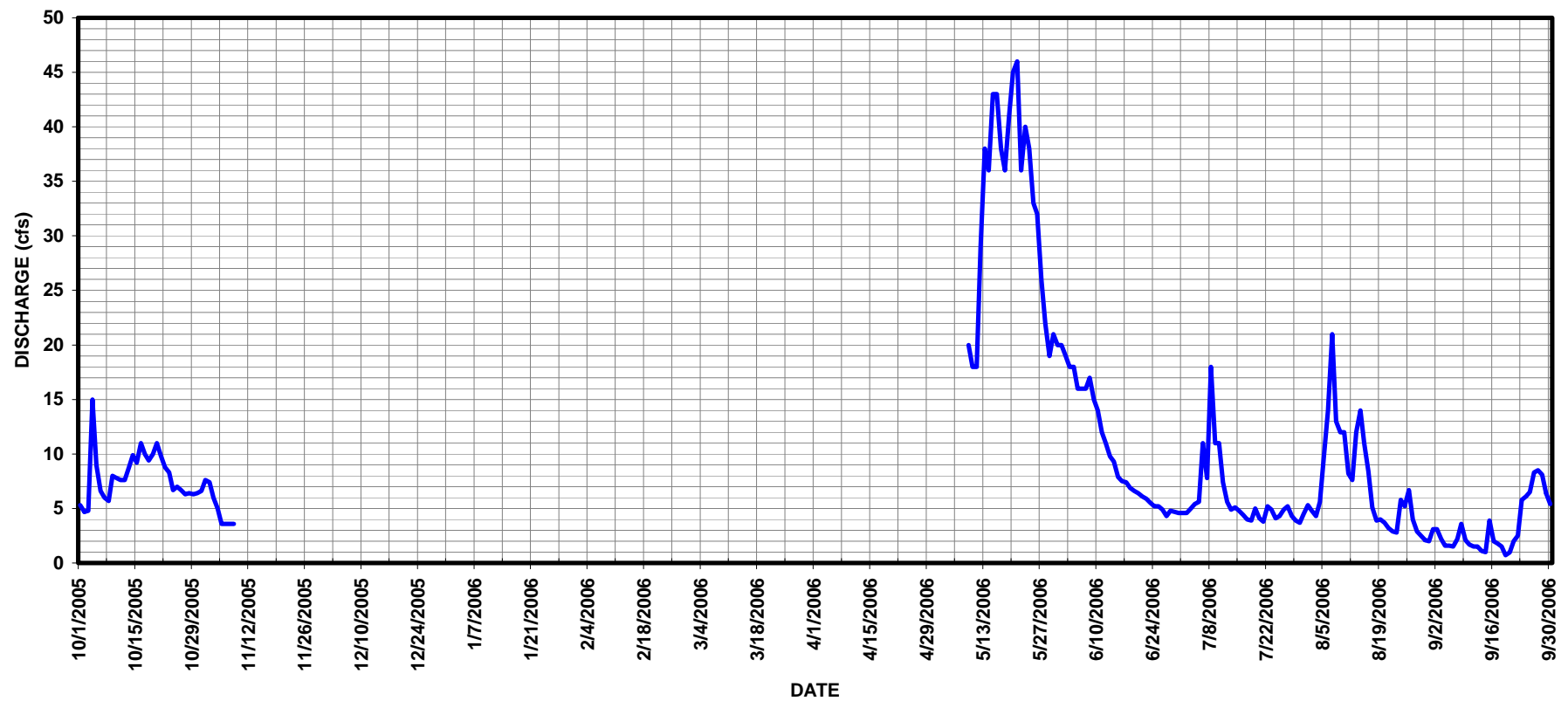
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	7.6	---	---	---	---	---	---	20	4.6	5.3	3.1
2	4.7	7.4	---	---	---	---	---	---	19	4.6	4.8	3.1
3	4.8	6.0	---	---	---	---	---	---	18	5.0	4.3	2.2
4	15	5.0	---	---	---	---	---	---	18	5.4	5.6	1.6
5	9.0	3.6	---	---	---	---	---	---	16	5.6	10	1.6
6	6.6	3.6	---	---	---	---	---	---	16	11	14	1.5
7	6.0	3.6	---	---	---	---	---	---	16	7.8	21	2.2
8	5.7	3.6	---	---	---	---	---	---	17	18	13	3.6
9	8.0	---	---	---	---	---	---	20	15	11	12	2.1
10	7.8	---	---	---	---	---	---	18	14	11	12	1.7
11	7.6	---	---	---	---	---	---	18	12	7.4	8.2	1.5
12	7.6	---	---	---	---	---	---	29	11	5.6	7.6	1.5
13	8.7	---	---	---	---	---	---	38	9.8	4.9	12	1.1
14	9.9	---	---	---	---	---	---	36	9.3	5.1	14	1.0
15	9.2	---	---	---	---	---	---	43	7.9	4.8	11	3.9
16	11	---	---	---	---	---	---	43	7.5	4.4	8.4	2.0
17	10	---	---	---	---	---	---	38	7.4	4.0	5.1	1.8
18	9.4	---	---	---	---	---	---	36	6.9	3.9	3.9	1.5
19	10	---	---	---	---	---	---	41	6.6	5.0	4.0	.73
20	11	---	---	---	---	---	---	45	6.4	4.1	3.7	.97
21	9.8	---	---	---	---	---	---	46	6.1	3.8	3.2	2.0
22	8.8	---	---	---	---	---	---	36	5.9	5.2	2.9	2.5
23	8.3	---	---	---	---	---	---	40	5.5	4.9	2.8	5.8
24	6.7	---	---	---	---	---	---	38	5.2	4.1	5.8	6.1
25	7.0	---	---	---	---	---	---	33	5.2	4.3	5.2	6.5
26	6.7	---	---	---	---	---	---	32	4.9	4.9	6.7	8.3
27	6.3	---	---	---	---	---	---	26	4.3	5.2	4.0	8.5
28	6.4	---	---	---	---	---	---	22	4.8	4.3	2.9	8.1
29	6.3	---	---	---	---	---	---	19	4.7	3.9	2.5	6.4
30	6.4	---	---	---	---	---	---	21	4.6	3.7	2.1	5.4
31	6.6	---	---	---	---	---	---	20	---	4.5	2.0	---
TOTAL	246.6	40.4	---	---	---	---	---	738	305.0	182.0	220.0	98.30
MEAN	7.95	5.05	---	---	---	---	---	32.1	10.2	5.87	7.10	3.28
AC-FT	489	80	---	---	---	---	---	1460	605	361	436	195
MAX	15	7.6	---	---	---	---	---	46	20	18	21	8.5
MIN	4.7	3.6	---	---	---	---	---	18	4.3	3.7	2.0	.73

WTR YR 2006 TOTAL 1830.3 MEAN 9.95 MAX 46 MIN .73 AC-FT 3630 (PARTIAL YEAR RECORD)

MAX DISCH: 83.9 CFS AT 17:00 ON May. 21, 2006 GH 5.56 FT. SHIFT -0.03 FT.
MAX GH: 5.56 FT. AT 17:00 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235270 WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER, CO

LOCATION.--Lat. 37°24'14", long 106°31'16", in SE¼SW¼ sec. 35, T.37 N., R.4 E., Rio Grande County, Hydrologic Unit 13010002, on right bank 25' downstream from bridge on Forest Development Road No. 250, about 300' upstream from confluence with Alamosa River, and 4.3 mi southwest of Jasper.

DRAINAGE AREA AND PERIOD OF RECORD.--16.1 mi². July 1995 to current year (seasonal record only).

GAGE.--Shelter is a 4 ft by 4 ft by 8 ft steel building for this station and includes equipment for the station "Alamosa River above Wightman Fork". Equipment for this station includes a DCP (data collection platform) which collects gage-height data from a Sutron Accubar and water quality data from a Hydrolab. The DCP is satellite monitored.

REMARKS.--Record is complete for the period of operation, October 1, - November 8, 2005, April 22 to September 30, 2006, except for November 8, April 22, July 10-13, 2006 when there were missing data. Record is good, except for periods of no gage height record, which is poor. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--WFKMOUCO05 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, period of record OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	8.9	---	---	---	---	---	30	41	6.4	8.6	7.3
2	4.9	8.7	---	---	---	---	---	46	38	7.0	8.5	8.2
3	4.4	7.4	---	---	---	---	---	64	37	9.0	7.5	6.3
4	15	6.4	---	---	---	---	---	79	36	7.7	8.5	5.2
5	16	4.8	---	---	---	---	---	73	33	8.3	17	4.7
6	9.6	4.6	---	---	---	---	---	74	31	17	22	4.4
7	8.1	4.8	---	---	---	---	---	88	29	11	38	5.2
8	7.2	4.6	---	---	---	---	---	93	30	25	30	8.6
9	11	---	---	---	---	---	---	65	30	20	24	6.6
10	11	---	---	---	---	---	---	40	24	16	25	5.5
11	11	---	---	---	---	---	---	38	19	12	19	4.9
12	10	---	---	---	---	---	---	60	17	9.2	17	4.6
13	12	---	---	---	---	---	---	81	16	8.4	21	4.0
14	14	---	---	---	---	---	---	84	16	8.7	23	3.8
15	14	---	---	---	---	---	---	97	14	8.5	22	8.7
16	15	---	---	---	---	---	---	101	11	7.6	19	6.3
17	15	---	---	---	---	---	---	95	11	6.9	14	4.2
18	14	---	---	---	---	---	---	80	11	6.7	11	3.8
19	16	---	---	---	---	---	---	89	11	8.4	12	3.7
20	15	---	---	---	---	---	---	96	9.9	7.6	12	3.9
21	14	---	---	---	---	---	---	97	8.6	6.5	9.6	5.6
22	13	---	---	---	---	---	43	87	8.0	7.4	8.6	6.2
23	12	---	---	---	---	---	47	93	7.7	8.4	8.1	6.7
24	9.9	---	---	---	---	---	41	86	7.5	6.6	11	8.5
25	9.7	---	---	---	---	---	33	77	7.7	6.6	15	12
26	9.3	---	---	---	---	---	48	71	7.7	8.0	16	15
27	8.6	---	---	---	---	---	65	58	7.0	9.9	12	16
28	8.6	---	---	---	---	---	67	50	7.3	8.5	8.9	14
29	8.8	---	---	---	---	---	38	43	6.6	7.1	8.3	12
30	8.3	---	---	---	---	---	27	43	6.0	6.5	7.0	10
31	8.0	---	---	---	---	---	---	42	---	6.5	6.3	---
TOTAL	339.5	50.2	---	---	---	---	409	2220	539.0	293.4	469.9	215.9
MEAN	11.0	6.27	---	---	---	---	45.4	71.6	18.0	9.46	15.2	7.20
AC-FT	673	100	---	---	---	---	811	4400	1070	582	932	428
MAX	16	8.9	---	---	---	---	67	101	41	25	38	16
MIN	4.4	4.6	---	---	---	---	27	30	6.0	6.4	6.3	3.7

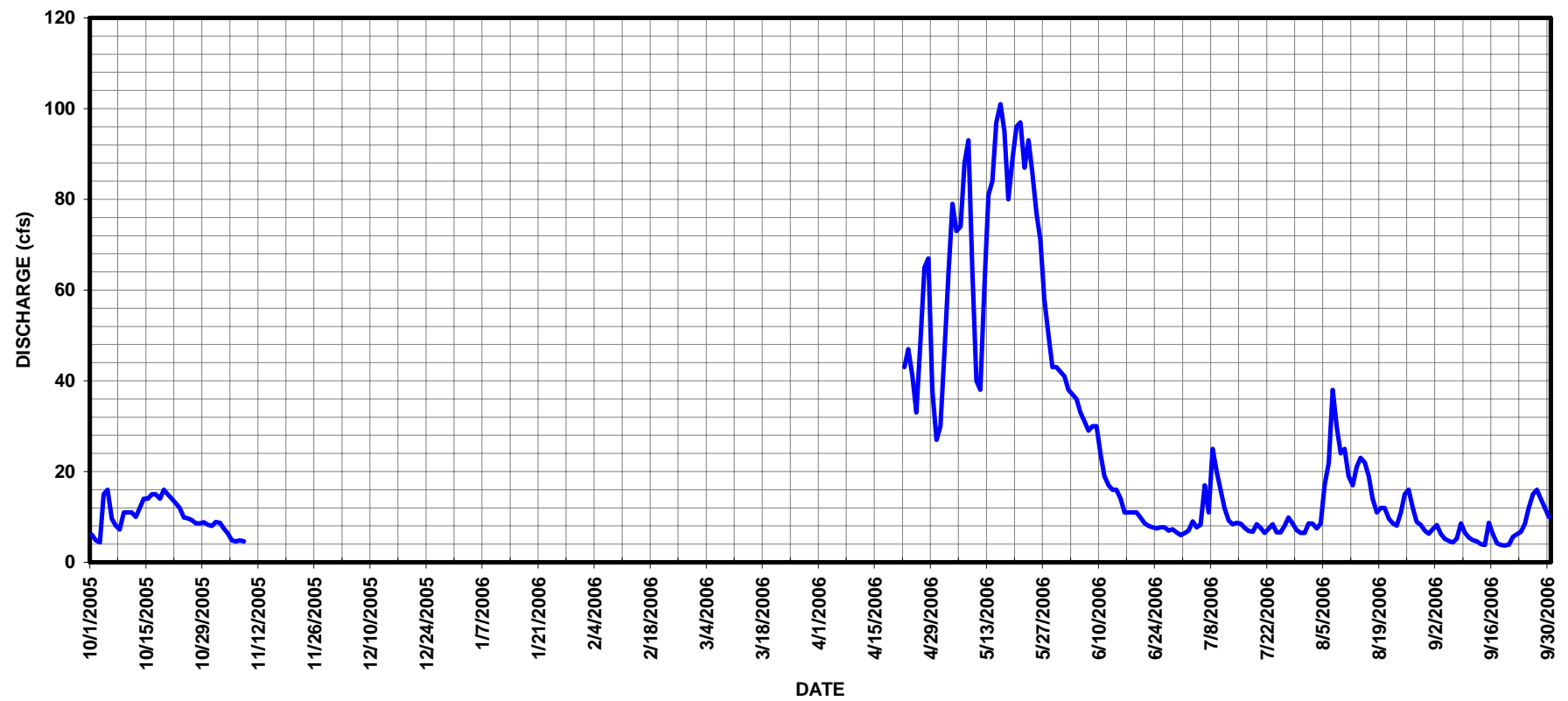
WTR YR 2006 TOTAL 4536.9 MEAN 22.6 MAX 101 MIN 3.7 AC-FT 9000 (PARTIAL YEAR RECORD)

MAX DISCH: 177 CFS AT 17:45 ON May. 21, 2006 GH 4.78 FT. SHIFT 0.08 FT.

MAX GH: 4.78 FT. AT 17:45 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08235290 WIGHTMAN FORK AT MOUTH NEAR JASPER CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

ALAMOSA RIVER BELOW RANGER CREEK, CO

LOCATION.--Lat. 37°23'23", long. 106°22'41", Conejos County, on right bank, 30' above Silver Lakes Road Bridge, 0.4 miles below Ranger Creek and 4 miles above Terrace Reservoir.

DRAINAGE AREA AND PERIOD OF RECORD.--

GAGE.--Station established in water year 2003. Shelter is 4x4x8 foot steel building equipped with Sutron Accubar to collect stream level data, and a Hydrolab to obtain water quality information. Data collection platform (DCP) used to store collected data and transmit to satellite. Outside staff gage installed as base gage.

REMARKS.--Record is complete and reliable for the period of operation, Oct. 1 to Nov. 9, 2005 and Apr. 22 to Sep. 30, 2006, except for Nov. 4, 9, 2005, Apr. 22, 26-30, May 1-5, 21-25, 2006, when there was missing data. The gage height was not representative of the flow during the high flow period of May 6-20, 26, 2006, due to gage site configuration and no high flow measurements being made. The stage-discharge relation was affected by ice Nov. 6, 2005. The gage-height record indicates that the Accubar pressure sensor continuously 'hunts' the point of pressure equilibrium. This hunting creates some uncertainty in gage-height record. Due to this uncertainty, the record should be considered fair except for periods of no gage-height, ice effect, and gage-height not representative of flow, which are poor. Station maintained and record developed by private consultant; record reviewed by Div. III Hydrographic Staff.

RATING TABLE.--ALARANCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, FOR PERIOD OF RECORD, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	44	---	---	---	---	---	145	310	48	56	62
2	54	45	---	---	---	---	---	180	316	53	56	66
3	49	44	---	---	---	---	---	241	299	77	53	58
4	90	40	---	---	---	---	---	320	308	57	63	49
5	114	37	---	---	---	---	---	340	296	53	118	45
6	83	31	---	---	---	---	---	305	276	112	99	43
7	75	32	---	---	---	---	---	340	270	87	177	47
8	66	31	---	---	---	---	---	365	272	166	192	71
9	93	30	---	---	---	---	---	352	284	163	170	61
10	102	---	---	---	---	---	---	223	235	125	177	57
11	89	---	---	---	---	---	---	194	206	109	149	56
12	81	---	---	---	---	---	---	231	181	91	121	51
13	79	---	---	---	---	---	---	350	163	78	133	46
14	82	---	---	---	---	---	---	380	150	69	132	43
15	84	---	---	---	---	---	---	424	130	63	137	80
16	81	---	---	---	---	---	---	480	108	57	135	75
17	84	---	---	---	---	---	---	475	101	52	112	60
18	79	---	---	---	---	---	---	471	100	48	93	54
19	93	---	---	---	---	---	---	495	95	55	94	51
20	85	---	---	---	---	---	---	567	90	52	94	50
21	84	---	---	---	---	---	---	595	84	44	78	58
22	80	---	---	---	---	---	180	565	75	44	74	61
23	75	---	---	---	---	---	194	565	70	61	66	57
24	67	---	---	---	---	---	191	575	65	45	68	61
25	62	---	---	---	---	---	169	555	61	42	108	65
26	59	---	---	---	---	---	200	520	62	52	100	72
27	55	---	---	---	---	---	255	457	61	56	106	76
28	52	---	---	---	---	---	300	355	57	61	83	78
29	51	---	---	---	---	---	190	293	55	47	76	76
30	48	---	---	---	---	---	150	283	49	47	67	70
31	43	---	---	---	---	---	---	301	---	44	62	---
TOTAL	2302	334	---	---	---	---	1829	11942	4829	2158	3249	1799
MEAN	74.3	37.1	---	---	---	---	203	385	161	69.6	105	60.0
AC-FT	4570	662	---	---	---	---	3630	23690	9580	4280	6440	3570
MAX	114	45	---	---	---	---	300	595	316	166	192	80
MIN	43	30	---	---	---	---	150	145	49	42	53	43

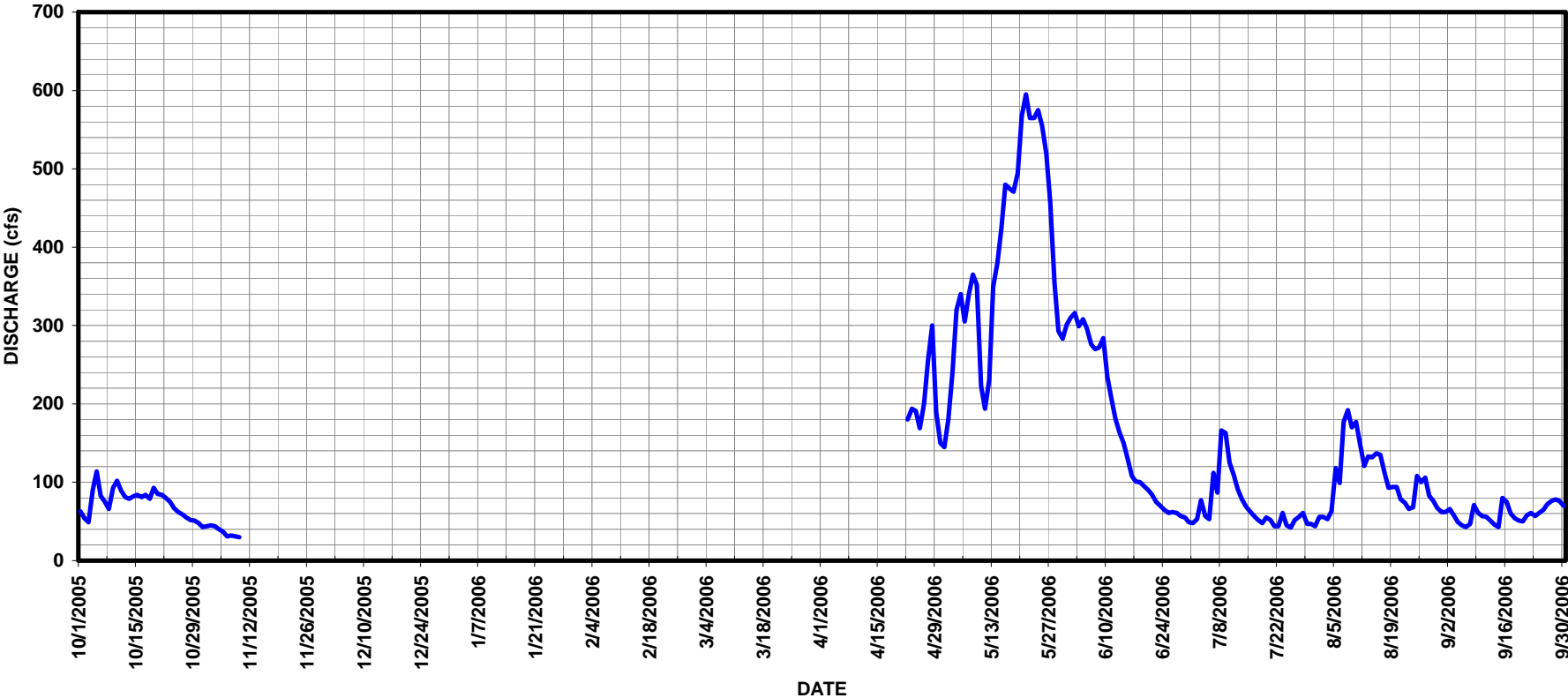
WTR YR 2006 TOTAL 28442 MEAN 141 MAX 595 MIN 30 AC-FT 56410 (PARTIAL YEAR RECORD)

MAX DISCH: 814 CFS AT 20:00 ON May. 21, 2006 (ESTIMATED)

MAX GH: 5.06 FT. AT 22:00 ON May. 20, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ALAMOSA RIVER BELOW RANGER CREEK CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR, CO

LOCATION.--Lat 37°22'29", long 106°20'03", in NW¼NE¼ sec. 17, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13100002, on left bank 0.8 mi upstream from high-water line of Terrace Reservoir at elevation 8,568 ft., 3.0 mi. downstream from French Creek, and 15 mi. northwest of Capulin.

DRAINAGE AREA.--107 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage height data from a float operated shaft encoder and air temperature in a 4-ft. diameter metal shelter and well. Graphic water-stage recorder is operated as a data backup. Datum of gage is 8,600 ft., from topographic map.

REMARKS.--Record is complete and reliable except for November 22, 2005 through March 21, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice November 16-21, 2005 and March 22-27, April 3-6, 9, 10, 2006. Record is good, except for the periods of ice-affected record and no gage height record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALATERC017 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

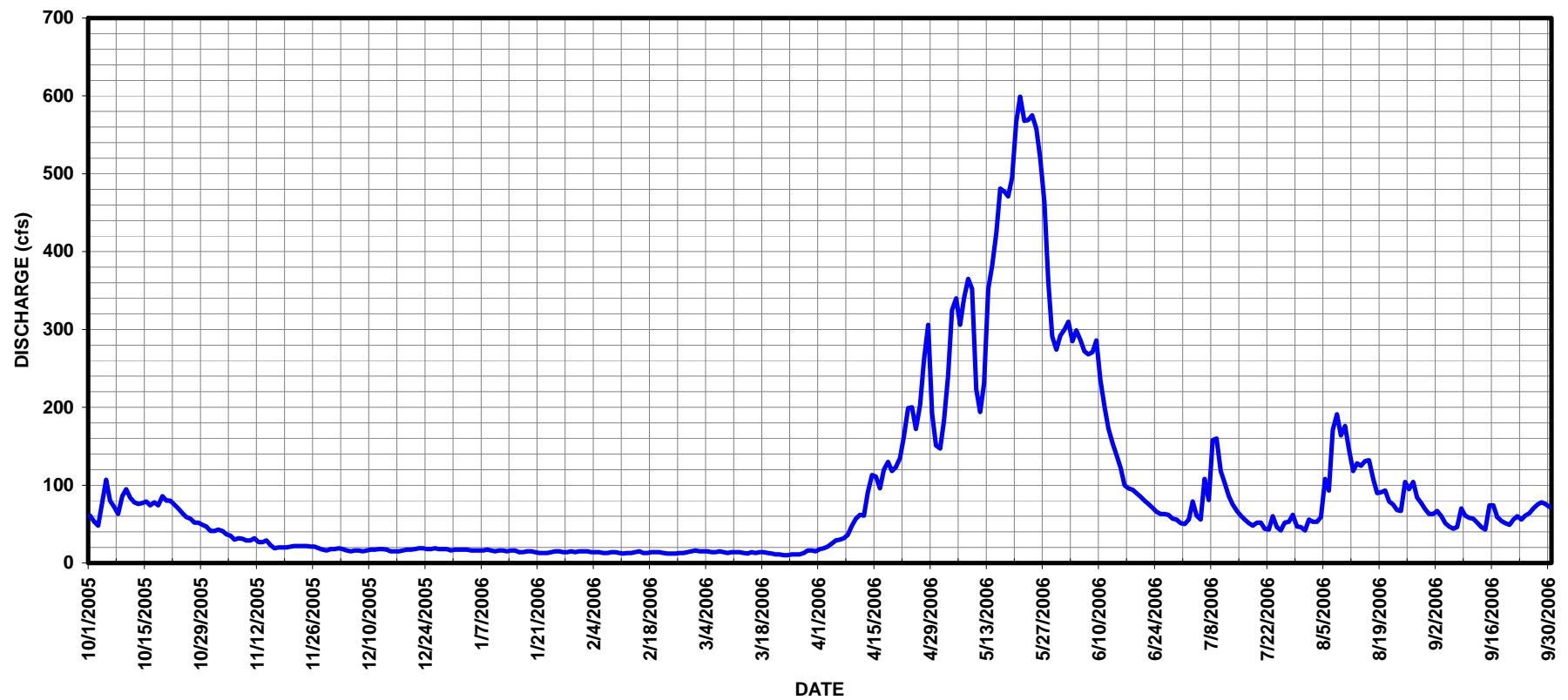
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	41	18	17	15	16	18	147	300	50	56	63
2	53	43	19	17	15	15	19	182	310	56	53	67
3	48	41	18	17	14	15	21	241	285	79	53	60
4	77	37	16	16	14	15	25	325	299	61	59	51
5	107	35	15	16	14	14	29	340	287	56	108	47
6	80	30	16	16	13	14	30	306	272	108	93	44
7	72	32	16	16	13	15	32	340	268	81	171	46
8	63	31	15	17	14	14	36	365	271	158	191	70
9	86	29	16	16	14	13	48	352	286	160	164	61
10	95	29	17	15	13	14	57	223	236	118	176	58
11	84	32	17	16	12	14	62	194	201	103	146	57
12	78	27	18	16	13	14	61	231	173	86	118	52
13	76	27	18	15	13	13	91	352	154	75	128	46
14	77	29	17	16	14	12	113	382	139	67	125	43
15	79	23	15	16	15	14	111	424	122	61	131	74
16	74	19	15	14	13	13	96	481	100	56	132	74
17	78	20	15	14	13	14	120	477	96	51	108	59
18	74	20	16	15	14	14	130	471	94	48	90	54
19	86	20	17	15	14	13	118	495	90	52	91	51
20	80	21	17	14	14	12	123	567	85	52	93	49
21	80	22	18	13	13	11	135	599	80	44	79	56
22	75	22	19	13	12	11	163	568	76	43	75	60
23	70	22	19	13	12	10	199	569	71	60	68	56
24	64	22	18	14	12	10	200	575	66	46	67	61
25	59	21	18	15	13	11	172	558	63	42	104	64
26	57	21	19	15	13	11	203	520	63	52	95	70
27	52	19	18	14	14	11	261	463	62	53	104	75
28	52	17	18	14	15	13	306	361	57	62	84	78
29	49	16	18	15	---	16	192	291	56	47	77	76
30	47	18	16	14	---	16	151	274	51	46	69	72
31	41	---	17	15	---	15	---	292	---	42	63	---
TOTAL	2174	786	529	469	378	413	3322	11965	4713	2115	3171	1794
MEAN	70.1	26.2	17.1	15.1	13.5	13.3	111	386	157	68.2	102	59.8
AC-FT	4310	1560	1050	930	750	819	6590	23730	9350	4200	6290	3560
MAX	107	43	19	17	15	16	306	599	310	160	191	78
MIN	41	16	15	13	12	10	18	147	51	42	53	43
CAL YR 2005	TOTAL	48627	MEAN	133	MAX	1320	MIN	14	AC-FT	96450		
WTR YR 2006	TOTAL	31829	MEAN	87.2	MAX	599	MIN	10	AC-FT	63130		

MAX DISCH: 814 CFS AT 22:00 ON May. 21, 2006 GH 2.96 FT. SHIFT -0.04 FT.

MAX GH: 2.96 FT. AT 22:00 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08236000 ALAMOSA CREEK ABOVE TERRACE RESERVOIR CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR, CO

LOCATION.--Lat 37°21'15", long 106°16'45", NE¼SE¼ sec. 23, T.36 N., R.6 E., Conejos County, Hydrologic Unit 13010002, on left bank 0.5 mi downstream from Terrace Reservoir, 12.0 mi northwest of Capulin, Co.

DRAINAGE AREA.--116 mi².

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 6-foot square concrete aggregate shelter and 3 foot diameter concrete well. A graphic water-stage recorder is operated as a data backup. Elevation of gage is 8,375 ft, from topographic map.

REMARKS.--Record is complete and reliable except for January 21 through February 21, 2006 when the well was frozen. Record is good except for the period of no gage height record, which is fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--ALABELC013 USED FROM 01-OCT-2005 TO 30-SEP-2006

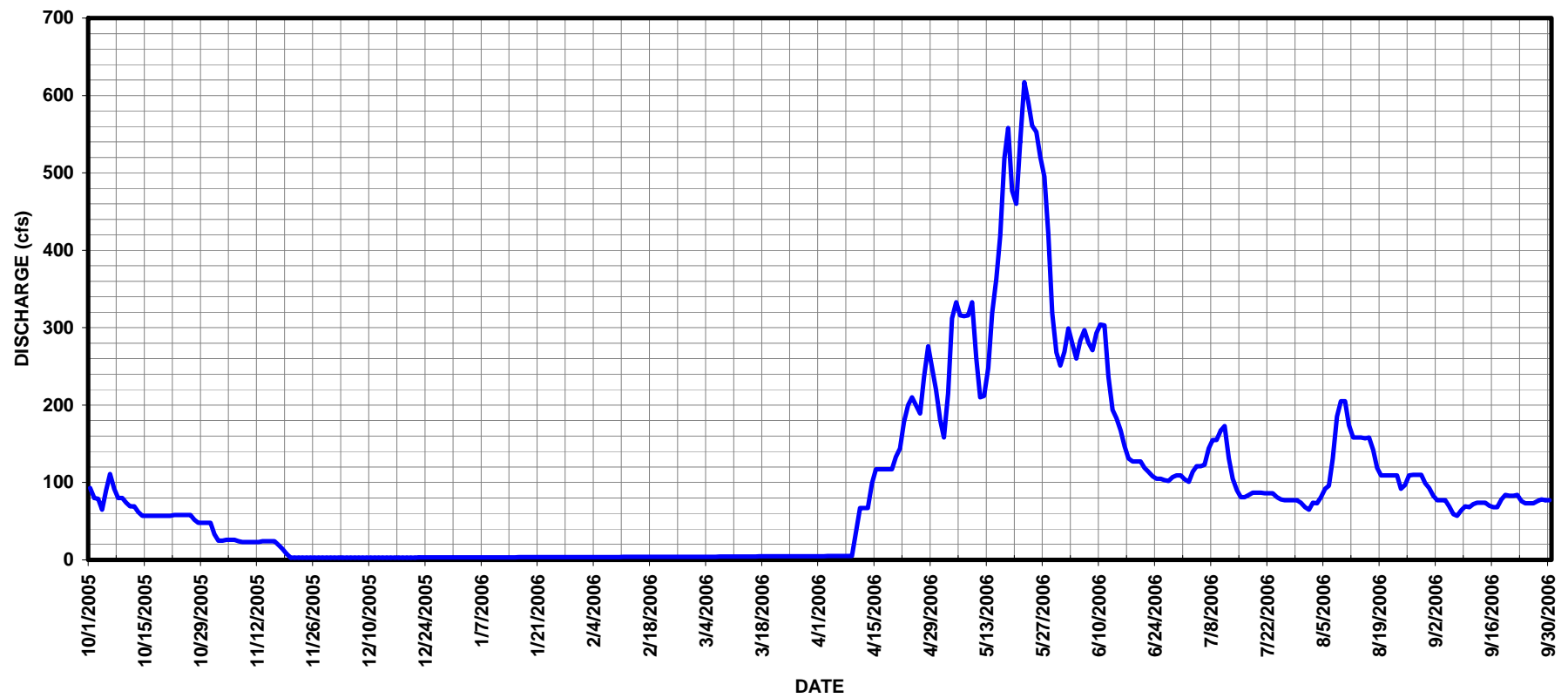
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	33	2.9	3.2	3.7	3.8	4.7	181	269	104	65	83
2	80	25	2.8	3.2	3.7	4.0	4.8	158	299	101	74	77
3	79	25	2.8	3.2	3.7	4.0	4.9	215	279	114	73	77
4	65	26	2.8	3.2	3.7	4.0	5.0	312	260	121	81	77
5	90	26	2.8	3.3	3.7	4.0	5.0	333	283	121	92	69
6	111	26	2.8	3.4	3.7	4.1	5.0	316	297	123	96	59
7	92	24	3.0	3.4	3.7	4.2	5.0	315	281	144	131	57
8	80	23	3.0	3.4	3.7	4.3	5.0	316	271	155	185	64
9	80	23	3.0	3.4	3.7	4.3	5.0	333	293	155	205	69
10	74	23	2.9	3.4	3.7	4.3	35	261	304	167	205	68
11	69	23	2.8	3.4	3.8	4.3	67	210	303	173	174	72
12	69	23	3.0	3.4	3.8	4.3	67	212	237	131	158	74
13	62	24	3.0	3.4	3.8	4.3	67	248	194	105	158	74
14	57	24	3.0	3.4	3.8	4.3	99	319	183	90	158	74
15	57	24	3.0	3.4	3.8	4.3	117	363	167	81	157	70
16	57	24	3.0	3.5	3.8	4.4	117	419	147	81	158	68
17	57	19	3.0	3.6	3.8	4.6	117	519	131	84	142	68
18	57	14	3.0	3.5	3.8	4.7	117	558	127	87	119	78
19	57	7.9	3.0	3.5	3.8	4.7	117	477	127	87	109	84
20	57	3.0	3.0	3.5	3.8	4.7	133	460	127	87	109	83
21	57	2.9	3.0	3.6	3.8	4.7	144	540	119	86	109	83
22	58	2.8	3.2	3.6	3.8	4.7	178	617	114	86	109	84
23	58	2.8	3.2	3.6	3.8	4.7	200	592	108	86	109	76
24	58	2.8	3.2	3.6	3.8	4.7	210	561	105	81	92	73
25	58	2.8	3.1	3.6	3.8	4.7	200	553	105	78	97	73
26	58	2.8	3.2	3.6	3.8	4.7	189	521	103	77	109	73
27	52	2.8	3.2	3.6	4.0	4.8	236	495	102	77	110	76
28	48	2.8	3.2	3.6	3.8	4.7	276	421	107	77	110	78
29	48	2.9	3.2	3.6	---	4.8	248	319	109	77	110	77
30	48	2.9	3.2	3.6	---	4.7	220	268	109	74	99	77
31	48	---	3.2	3.7	---	4.7	---	251	---	68	93	---
TOTAL	2034	468.2	93.5	107.4	105.6	137.5	3198.4	11663	5660	3178	3796	2215
MEAN	65.6	15.6	3.02	3.46	3.77	4.44	107	376	189	103	122	73.8
AC-FT	4030	929	185	213	209	273	6340	23130	11230	6300	7530	4390
MAX	111	33	3.2	3.7	4.0	4.8	276	617	304	173	205	84
MIN	48	2.8	2.8	3.2	3.7	3.8	4.7	158	102	68	65	57
CAL YR 2005	TOTAL	49170.5	MEAN	134.7	MAX	985	MIN	2.5	AC-FT	97530		
WTR YR 2006	TOTAL	32656.6	MEAN	89.5	MAX	617	MIN	2.8	AC-FT	64770		

MAX DISCH: 649 CFS AT 12:30 ON May. 22, 2006 GH 4.26 FT. SHIFT 0.01 FT.
MAX GH: 4.26 FT. AT 12:30 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08236500 ALAMOSA CREEK BELOW TERRACE RESERVOIR CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08238000 LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN, CO

LOCATION.--Lat 37°12'32", long 106°11'16", in NE¼ sec. 10, T.34 N., R.7 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.7 mi. downstream from Canyon Del Rancho, 7 mi. southwest of Capulin, and 16.5 mi. downstream from La Jara Reservoir.

DRAINAGE AREA.--98 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in 42" diameter CMP shelter and well. Elevation of gage is 8,130 ft from topographic map.

REMARKS.--Record is complete and reliable except for Nov. 22, 2005 through Mar. 9, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 15-21, 2005, March 10-24, 2006. Record is good except for periods of no gage-height and ice affected record which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LAJCAPC019TMP USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

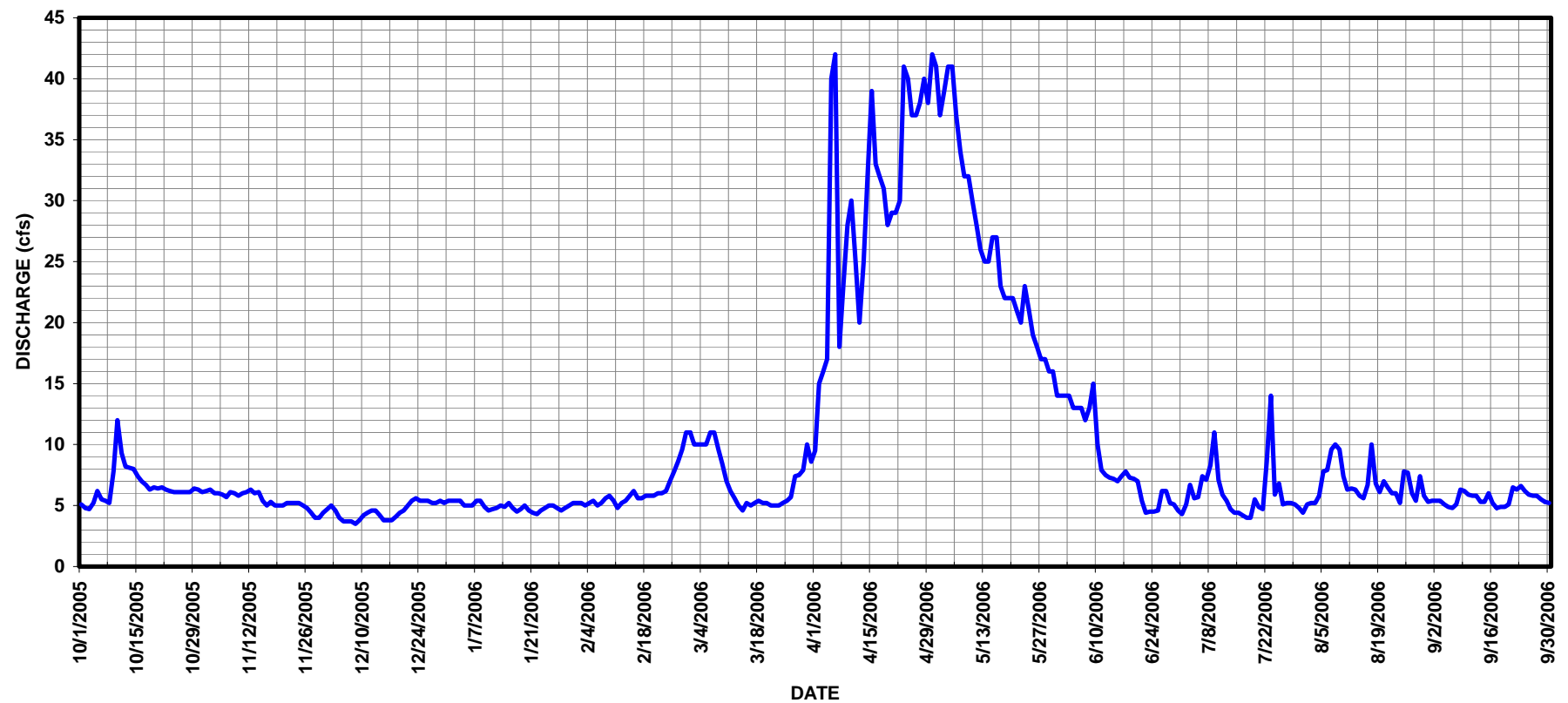
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.2	4.7	5.4	5.2	11	9.5	41	14	4.3	5.1	5.4
2	4.8	6.3	5.0	5.4	5.2	10	15	37	14	5.1	5.2	5.4
3	4.7	6.0	4.6	5.4	5.0	10	16	39	14	6.7	5.2	5.4
4	5.2	6.0	4.0	5.0	5.2	10	17	41	13	5.6	5.8	5.1
5	6.2	5.9	3.7	5.0	5.4	10	40	41	13	5.7	7.8	4.9
6	5.5	5.7	3.7	5.0	5.0	11	42	37	13	7.4	7.9	4.8
7	5.4	6.1	3.7	5.4	5.2	11	18	34	12	7.1	9.6	5.1
8	5.2	6.0	3.5	5.4	5.6	9.6	23	32	13	8.3	10	6.3
9	7.8	5.8	3.8	4.9	5.8	8.4	28	32	15	11	9.6	6.2
10	12	6.0	4.2	4.6	5.4	7.0	30	30	10	7.1	7.4	5.9
11	9.3	6.1	4.4	4.7	4.8	6.2	25	28	7.9	5.9	6.3	5.8
12	8.2	6.3	4.6	4.8	5.2	5.6	20	26	7.5	5.4	6.4	5.8
13	8.1	6.0	4.6	5.0	5.4	5.0	25	25	7.3	4.7	6.3	5.3
14	8.0	6.1	4.2	4.9	5.8	4.6	32	25	7.2	4.4	5.8	5.3
15	7.4	5.4	3.8	5.2	6.2	5.2	39	27	7.0	4.4	5.6	6.0
16	7.0	5.0	3.8	4.8	5.6	5.0	33	27	7.4	4.2	6.7	5.2
17	6.7	5.3	3.8	4.5	5.6	5.2	32	23	7.8	4.0	10	4.8
18	6.3	5.0	4.1	4.7	5.8	5.4	31	22	7.3	4.0	6.8	4.9
19	6.5	5.0	4.4	5.0	5.8	5.2	28	22	7.2	5.5	6.1	4.9
20	6.4	5.0	4.6	4.6	5.8	5.2	29	22	7.0	4.9	7.0	5.1
21	6.5	5.2	5.0	4.4	6.0	5.0	29	21	5.4	4.7	6.5	6.5
22	6.3	5.2	5.4	4.3	6.0	5.0	30	20	4.4	8.6	6.0	6.3
23	6.2	5.2	5.6	4.6	6.2	5.0	41	23	4.5	14	6.0	6.6
24	6.1	5.2	5.4	4.8	7.0	5.2	40	21	4.5	5.9	5.2	6.2
25	6.1	5.0	5.4	5.0	7.8	5.4	37	19	4.6	6.8	7.8	5.9
26	6.1	4.8	5.4	5.0	8.6	5.7	37	18	6.2	5.1	7.7	5.8
27	6.1	4.4	5.2	4.8	9.6	7.4	38	17	6.2	5.2	6.0	5.8
28	6.1	4.0	5.2	4.6	11	7.5	40	17	5.2	5.2	5.4	5.5
29	6.4	4.0	5.4	4.8	---	7.9	38	16	5.1	5.1	7.4	5.3
30	6.3	4.4	5.2	5.0	---	10	42	16	4.6	4.8	5.8	5.2
31	6.1	---	5.4	5.2	---	8.6	---	14	---	4.4	5.3	---
TOTAL	204.1	162.6	141.8	152.2	171.2	223.3	904.5	813	255.3	185.5	209.7	166.7
MEAN	6.58	5.42	4.57	4.91	6.11	7.20	30.1	26.2	8.51	5.98	6.76	5.56
AC-FT	405	323	281	302	340	443	1790	1610	506	368	416	331
MAX	12	6.3	5.6	5.4	11	11	42	41	15	14	10	6.6
MIN	4.7	4.0	3.5	4.3	4.8	4.6	9.5	14	4.4	4.0	5.1	4.8

CAL YR	2005	TOTAL	6159.2	MEAN	16.9	MAX	170	MIN	3.5	AC-FT	12220
WTR YR	2006	TOTAL	3589.9	MEAN	9.84	MAX	42	MIN	3.5	AC-FT	7120

MAX DISCH: 96.3 CFS AT 01:45 ON Apr. 6, 2006 GH 2.01 FT. SHIFT 0.01 FT.
MAX GH: 2.01 FT. AT 01:45 ON Apr. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08238000 LA JARA CREEK AT GALLEGOS RANCH NEAR CAPULIN CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES, CO

LOCATION.--Lat 37°17'54", long 105°51'00, SW¼SW¼ sec. 2, T.35 N., R.10 E., Conejos County, Hydrologic Unit 13100002, on right bank of ditch.

DRAINAGE AREA.--N/A

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a steel shelter and a 24 inch diameter CMP well at a three foot Parshall Flume. A graphic water-stage recorder is operated as a data backup.

REMARKS.--Record is complete and reliable except for November 30, 2005 through March 17, 2006 when station was closed for the winter. Stage-discharge relation was affected by ice November 15 - 29, 2005, and March 20, 21, 23, 27, 2006. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORDSCCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

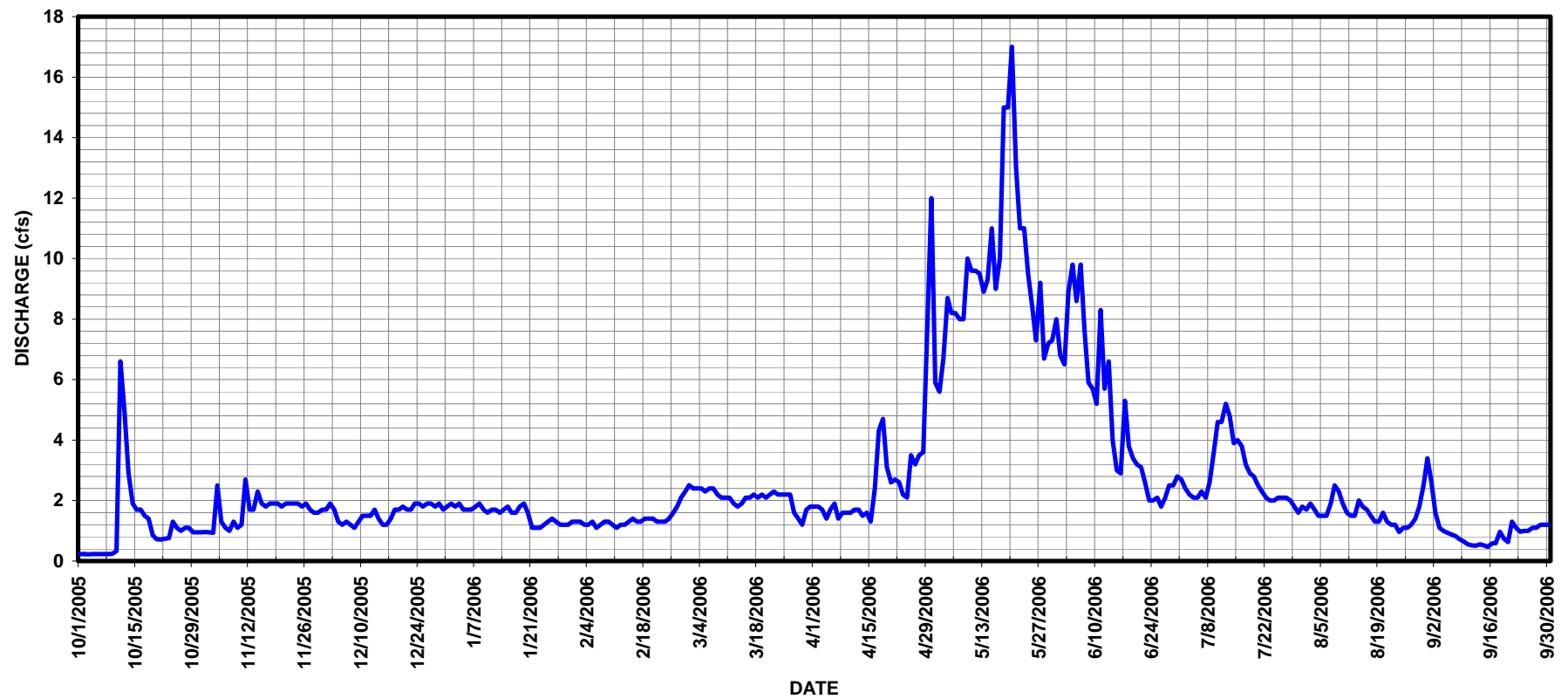
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.96	1.7	1.9	1.3	2.5	1.8	5.9	6.8	2.7	1.7	2.6
2	.23	.95	1.9	1.8	1.3	2.4	1.8	5.6	6.5	2.4	1.9	1.6
3	.22	.93	1.7	1.9	1.2	2.4	1.7	6.7	8.9	2.2	1.7	1.1
4	.23	2.5	1.3	1.7	1.2	2.4	1.4	8.7	9.8	2.1	1.5	1.0
5	.23	1.3	1.2	1.7	1.3	2.3	1.7	8.2	8.6	2.1	1.5	.93
6	.23	1.1	1.3	1.7	1.1	2.4	1.9	8.2	9.8	2.3	1.5	.88
7	.23	1.0	1.2	1.8	1.2	2.4	1.4	8.0	7.6	2.1	1.9	.82
8	.23	1.3	1.1	1.9	1.3	2.2	1.6	8.0	5.9	2.6	2.5	.72
9	.24	1.1	1.3	1.7	1.3	2.1	1.6	10	5.7	3.6	2.3	.65
10	.33	1.2	1.5	1.6	1.2	2.1	1.6	9.6	5.2	4.6	1.9	.55
11	6.6	2.7	1.5	1.7	1.1	2.1	1.7	9.6	8.3	4.6	1.6	.52
12	4.9	1.7	1.5	1.7	1.2	1.9	1.7	9.5	5.7	5.2	1.5	.51
13	2.9	1.7	1.7	1.6	1.2	1.8	1.5	8.9	6.6	4.8	1.5	.55
14	1.9	2.3	1.4	1.7	1.3	1.9	1.6	9.3	4.0	3.9	2.0	.52
15	1.7	1.9	1.2	1.8	1.4	2.1	1.3	11	3.0	4.0	1.8	.47
16	1.7	1.8	1.2	1.6	1.3	2.1	2.4	9.0	2.9	3.8	1.7	.58
17	1.5	1.9	1.4	1.6	1.3	2.2	4.3	10	5.3	3.2	1.5	.60
18	1.4	1.9	1.7	1.8	1.4	2.1	4.7	15	3.8	2.9	1.3	.97
19	.85	1.9	1.7	1.9	1.4	2.2	3.1	15	3.4	2.8	1.3	.74
20	.72	1.8	1.8	1.6	1.4	2.1	2.6	17	3.2	2.5	1.6	.63
21	.71	1.9	1.7	1.1	1.3	2.2	2.7	13	3.1	2.3	1.3	1.3
22	.74	1.9	1.7	1.1	1.3	2.3	2.6	11	2.6	2.1	1.2	1.1
23	.76	1.9	1.9	1.1	1.3	2.2	2.2	11	2.0	2.0	1.2	.97
24	1.3	1.9	1.9	1.2	1.4	2.2	2.1	9.5	2.0	2.0	.96	1.0
25	1.1	1.8	1.8	1.3	1.6	2.2	3.5	8.4	2.1	2.1	1.1	1.0
26	1.0	1.9	1.9	1.4	1.8	2.2	3.2	7.3	1.8	2.1	1.1	1.1
27	1.1	1.7	1.9	1.3	2.1	1.6	3.5	9.2	2.1	2.1	1.2	1.1
28	1.1	1.6	1.8	1.2	2.3	1.4	3.6	6.7	2.5	2.0	1.4	1.2
29	.95	1.6	1.9	1.2	---	1.2	7.6	7.2	2.5	1.8	1.8	1.2
30	.95	1.7	1.7	1.2	---	1.7	12	7.3	2.8	1.6	2.5	1.2
31	.95	---	1.8	1.3	---	1.8	---	8.0	---	1.8	3.4	---
TOTAL	37.23	49.84	49.3	48.1	38.5	64.7	84.4	291.8	144.5	86.3	51.36	28.11
MEAN	1.20	1.66	1.59	1.55	1.37	2.09	2.81	9.41	4.82	2.78	1.66	.94
AC-FT	74	99	98	95	76	128	167	579	287	171	102	56
MAX	6.6	2.7	1.9	1.9	2.3	2.5	12	17	9.8	5.2	3.4	2.6
MIN	.22	.93	1.1	1.1	1.1	1.2	1.3	5.6	1.8	1.6	.96	.47

CAL YR	2005	TOTAL	908.55	MEAN	2.49	MAX	16	MIN	.22	AC-FT	1800
WTR YR	2006	TOTAL	974.14	MEAN	2.67	MAX	17	MIN	.22	AC-FT	1930

MAX DISCH: 21.2 CFS AT 10:30 ON Nov. 4, 2005 GH 1.52 FT. SHIFT -0.08 FT.
MAX GH: 1.52 FT. AT 10:30 ON Nov. 4, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES CO
WY2006 HYDROGRAPH**



RIO GRANDE BASIN

NORTON DRAIN NEAR LA SAUSES, CO

LOCATION.--Lat 37°20'10", long 105°46'13", NE¼SW¼ sec. 28, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on left bank 2.5 mi east by northeast along canal from State Route 158.

DRAINAGE AREA.--N/A

GAGE.--Electronic data logger with satellite transmitter, which records gage-height data from a float-operated shaft encoder in a 36 inch diameter CMP shelter and well at a six-foot Parshall Flume. A graphic water-stage recorder is operated as a data backup. Note: October 1, 2005 - Nov. 30, 2005, and Mar. 17 - May 5, 2006, Parshall flume width modified to two foot width with a 1 inch wood block in throat of flume in an attempt to keep the well from isolating and to get a more accurate measurement of low flows.

REMARKS.--Record is complete and reliable except for Nov. 27 - 29 2005 when the well was frozen, and Nov. 30, 2005 - Mar. 17, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 15-26, 2005, March 20, 21, 23, 27, 2006. Gage-height was not necessarily representative of flow April 29 through May 5, 2006 when the 2 ft. Parshall Flume modification was overtopped by varying amounts. Record is good except for periods of no gage-height and ice affected record, which are poor. The period when the flume insert was overtopped should be considered fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--STD02FTPF USED FROM 01-OCT-2005 TO 05-MAY-2006
NORDLS003 USED FROM 05-MAY-2006 TO 30-SEP-2006

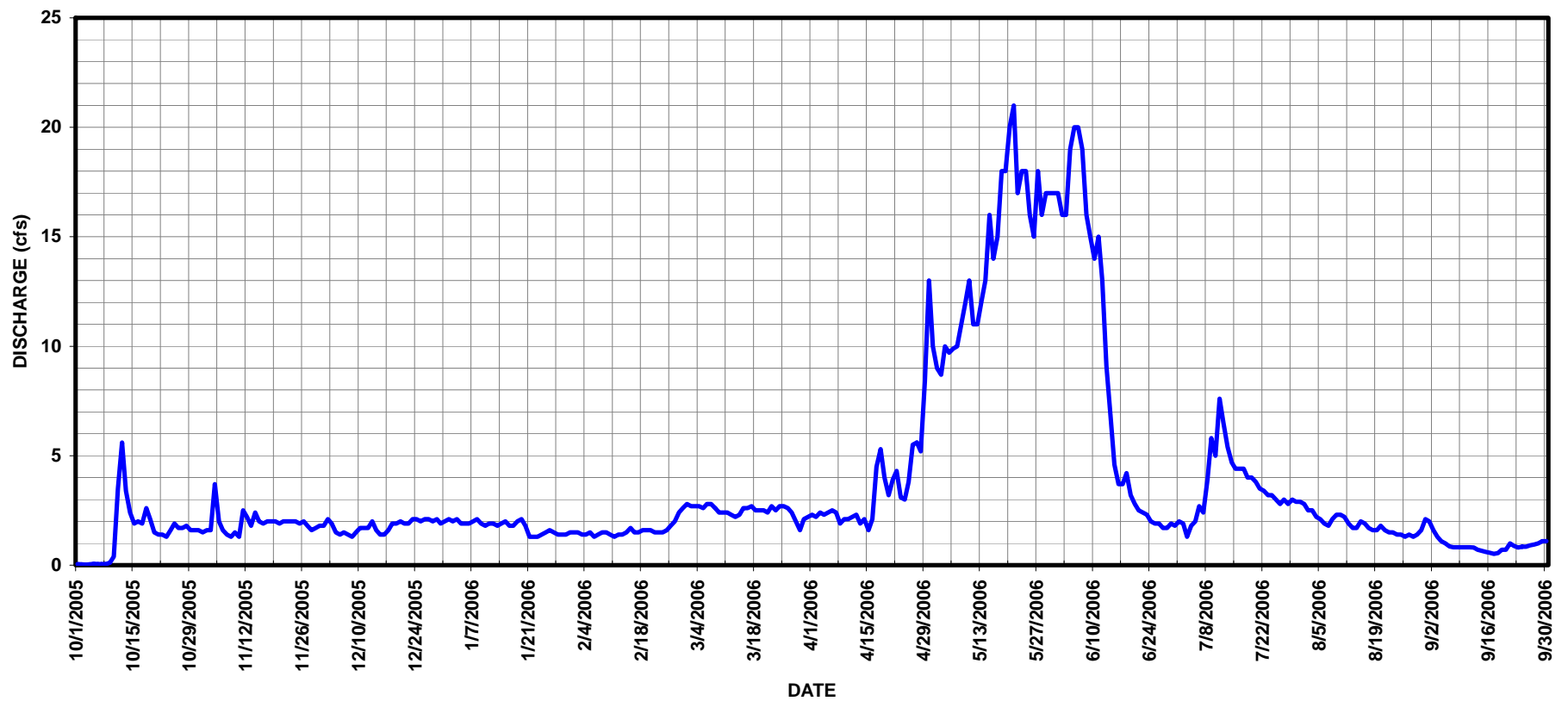
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	1.5	1.8	2.1	1.5	2.8	2.3	10	17	2.0	2.8	2.0
2	.04	1.6	2.1	2.0	1.5	2.7	2.2	9.0	16	1.9	2.5	1.6
3	.03	1.6	1.9	2.1	1.4	2.7	2.4	8.7	16	1.3	2.5	1.3
4	.04	3.7	1.5	1.9	1.4	2.7	2.3	10	19	1.8	2.2	1.1
5	.06	2.0	1.4	1.9	1.5	2.6	2.4	9.7	20	2.0	2.1	1.0
6	.05	1.6	1.5	1.9	1.3	2.8	2.5	9.9	20	2.7	1.9	.85
7	.05	1.4	1.4	2.0	1.4	2.8	2.4	10	19	2.4	1.8	.82
8	.05	1.3	1.3	2.1	1.5	2.6	1.9	11	16	3.9	2.1	.82
9	.11	1.5	1.5	1.9	1.5	2.4	2.1	12	15	5.8	2.3	.82
10	.39	1.3	1.7	1.8	1.4	2.4	2.1	13	14	5.0	2.3	.82
11	3.5	2.5	1.7	1.9	1.3	2.4	2.2	11	15	7.6	2.2	.82
12	5.6	2.2	1.7	1.9	1.4	2.3	2.3	11	13	6.5	1.9	.80
13	3.4	1.8	2.0	1.8	1.4	2.2	1.9	12	9.1	5.4	1.7	.71
14	2.4	2.4	1.6	1.9	1.5	2.3	2.1	13	6.8	4.7	1.7	.65
15	1.9	2.0	1.4	2.0	1.7	2.6	1.6	16	4.6	4.4	2.0	.61
16	2.0	1.9	1.4	1.8	1.5	2.6	2.1	14	3.7	4.4	1.9	.57
17	1.9	2.0	1.6	1.8	1.5	2.7	4.5	15	3.7	4.4	1.7	.52
18	2.6	2.0	1.9	2.0	1.6	2.5	5.3	18	4.2	4.0	1.6	.55
19	2.1	2.0	1.9	2.1	1.6	2.5	4.0	18	3.2	4.0	1.6	.71
20	1.5	1.9	2.0	1.8	1.6	2.5	3.2	20	2.8	3.8	1.8	.70
21	1.4	2.0	1.9	1.3	1.5	2.4	3.9	21	2.5	3.5	1.6	1.0
22	1.4	2.0	1.9	1.3	1.5	2.7	4.3	17	2.4	3.4	1.5	.88
23	1.3	2.0	2.1	1.3	1.5	2.5	3.1	18	2.3	3.2	1.5	.80
24	1.6	2.0	2.1	1.4	1.6	2.7	3.0	18	2.0	3.2	1.4	.84
25	1.9	1.9	2.0	1.5	1.8	2.7	3.8	16	1.9	3.0	1.4	.84
26	1.7	2.0	2.1	1.6	2.0	2.6	5.5	15	1.9	2.8	1.3	.91
27	1.7	1.8	2.1	1.5	2.4	2.4	5.6	18	1.7	3.0	1.4	.94
28	1.8	1.6	2.0	1.4	2.6	2.0	5.2	16	1.7	2.8	1.3	.99
29	1.6	1.7	2.1	1.4	---	1.6	8.4	17	1.9	3.0	1.4	1.1
30	1.6	1.8	1.9	1.4	---	2.1	13	17	1.8	2.9	1.6	1.1
31	1.6	---	2.0	1.5	---	2.2	---	17	---	2.9	2.1	---
TOTAL	45.37	57.0	55.5	54.3	44.4	77.0	107.6	441.3	258.2	111.7	57.1	27.17
MEAN	1.46	1.90	1.79	1.75	1.59	2.48	3.59	14.2	8.61	3.60	1.84	.91
AC-FT	90	113	110	108	88	153	213	875	512	222	113	54
MAX	5.6	3.7	2.1	2.1	2.6	2.8	13	21	20	7.6	2.8	2.0
MIN	.03	1.3	1.3	1.3	1.3	1.6	1.6	8.7	1.7	1.3	1.3	.52
CAL YR	2005	TOTAL	1429.41	MEAN	3.92	MAX	20	MIN	.03	AC-FT	2840	
WTR YR	2006	TOTAL	1336.64	MEAN	3.66	MAX	21	MIN	.03	AC-FT	2650	

MAX DISCH: 26.3 CFS AT 01:45 ON May 21, 2006 GH 0.98 FT. SHIFT 0.08 FT. (Standard Flume)
MAX GH: 1.39 FT. AT 08:45 ON Apr. 30, 2006 (Modified Flume)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

NORTON DRAIN NEAR LA SAUSES CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES, CO

LOCATION.--Lat 37°18'58", long 105°44'32", in sec. 35, T.36 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank 0.2 mi upstream from the historical channel of Trinchera Creek, 3.2 mi north of Lasauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--5,740 mi²., approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Co. May 1936 to current year. Water quality data from 1993 to 1996.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment in a 7 ft. by 7 ft. exposed aggregate building with 4 ft. diameter concrete well. Elevation of gage is 7,500 ft, estimated from nearby level lines. Although the name of the station is Rio Grande above Mouth of Trinchera Creek, over a period of years Trinchera Creek has shifted allowing the majority of Trinchera Creek water to enter the Rio Grande River above the station.

REMARKS.--Record is complete and reliable except for Dec. 6-21, 2005 when well was frozen, Dec. 22, 2005 through Mar. 3, 2006 when the station was closed for the winter, and May 20, 21, 24, Aug. 10-13, 2006 when the inlets were temporarily plugging and naturally flushing. Stage-discharge relation was affected by ice Nov. 28 - Dec. 5, 2005. Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOTRICO11 USED FROM 01-OCT-2005 TO 30-SEP-2006

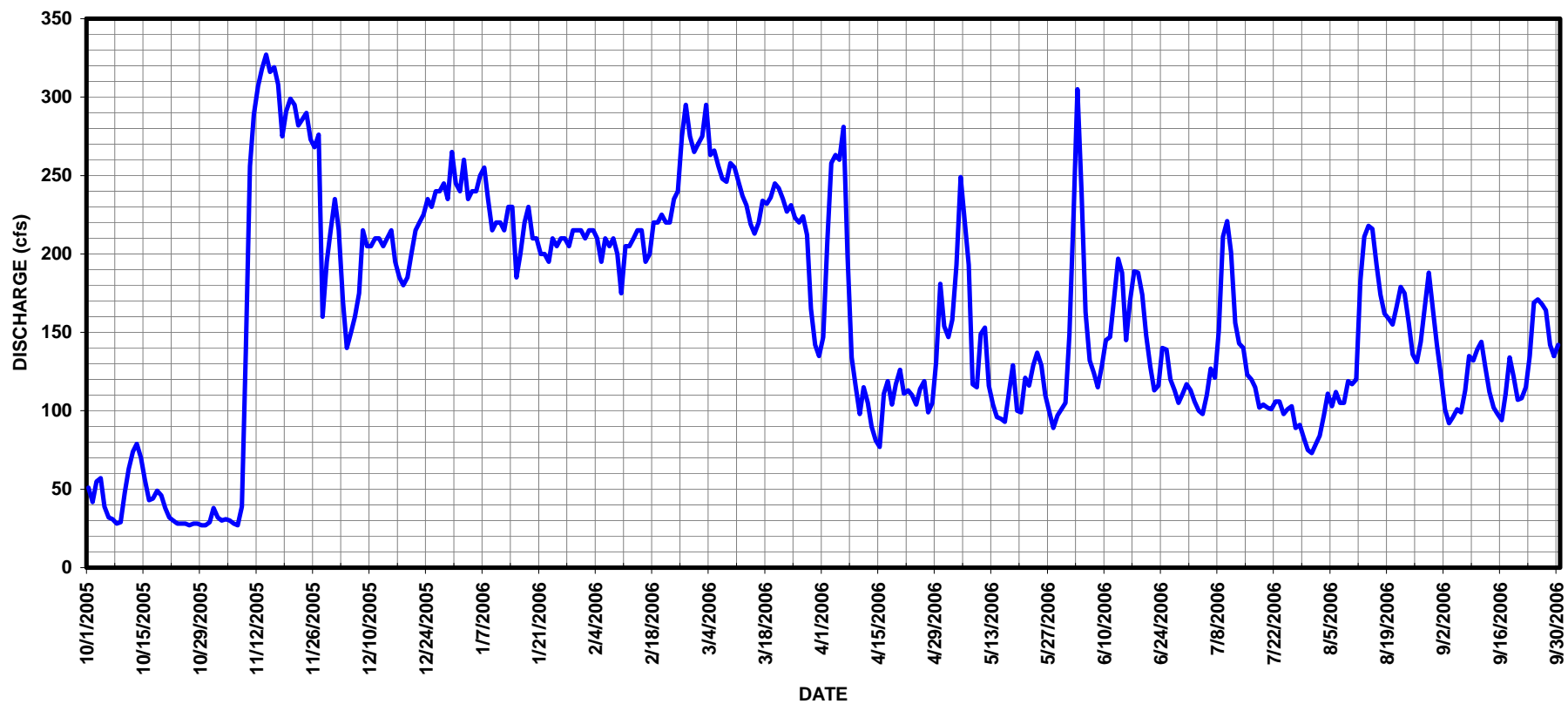
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	38	235	240	210	270	147	154	148	113	79	122
2	42	32	215	260	215	275	209	147	225	106	84	101
3	55	30	170	235	215	295	258	158	305	100	97	92
4	57	31	140	240	210	263	263	193	238	98	111	96
5	39	30	150	240	195	266	260	249	163	110	103	101
6	32	28	160	250	210	256	281	222	132	127	112	99
7	31	27	175	255	205	248	200	193	124	121	105	113
8	28	39	215	235	210	246	134	117	115	151	105	135
9	29	137	205	215	200	258	116	115	129	211	119	132
10	48	256	205	220	175	255	98	149	145	221	117	139
11	63	289	210	220	205	246	115	153	147	201	120	144
12	74	307	210	215	205	237	105	116	171	156	183	128
13	79	318	205	230	210	231	90	104	197	143	211	112
14	70	327	210	230	215	219	81	96	188	140	218	102
15	56	316	215	185	215	213	77	95	145	123	216	98
16	43	319	195	200	195	220	111	93	170	120	193	94
17	44	308	185	220	200	234	119	112	189	115	174	111
18	49	275	180	230	220	232	104	129	188	102	162	134
19	46	291	185	210	220	236	117	100	174	104	159	122
20	38	299	200	210	225	245	126	99	148	102	155	107
21	32	295	215	200	220	242	111	121	128	101	166	108
22	30	282	220	200	220	235	113	116	113	106	179	115
23	28	286	225	195	235	227	110	129	116	106	175	135
24	28	290	235	210	240	231	104	137	140	98	156	169
25	28	273	230	205	275	223	114	129	139	101	136	171
26	27	268	240	210	295	220	119	110	120	103	131	168
27	28	276	240	210	275	224	99	99	113	89	144	164
28	28	160	245	205	265	212	105	89	105	91	167	142
29	27	195	235	215	---	165	131	97	111	83	188	135
30	27	215	265	215	---	142	181	101	117	75	164	142
31	29	---	245	215	---	135	---	105	---	73	142	---
TOTAL	1286	6237	6460	6820	6180	7201	4198	4027	4643	3690	4571	3731
MEAN	41.5	208	208	220	221	232	140	130	155	119	147	124
AC-FT	2550	12370	12810	13530	12260	14280	8330	7990	9210	7320	9070	7400
MAX	79	327	265	260	295	295	281	249	305	221	218	171
MIN	27	27	140	185	175	135	77	89	105	73	79	92
CAL YR 2005	TOTAL	129027	MEAN	353	MAX	2010	MIN	23	AC-FT	255900		
WTR YR 2006	TOTAL	59044	MEAN	162	MAX	327	MIN	27	AC-FT	117100		

MAX DISCH: 352 CFS AT 04:15 ON Jun. 3, 2006 GH 3.07 FT. SHIFT -0.27 FT.
MAX GH: 3.84 FT. AT 17:15 ON Nov. 28, 2005 (Ice affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08240000 RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK NEAR LASAUSES CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND, CO

LOCATION.--Lat 37°22'16", long 105°17'05", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on right bank 0.9 mi downstream from North Fork, 1.0 mi upstream from Turners Ranch, and 8.3 mi southeast of Fort Garland.

DRAINAGE AREA.--45 mi².

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 3 ft. by 3 ft. timber shelter and well. Elevation of gage is 8,520 ft, from topographic map.

REMARKS.--Record is complete and reliable except for Dec. 16-18, 2005, Jan. 21-31, and Feb. 1-27, 2006 when floats were affected by ice in well. The stage-discharge relation was affected by ice Nov. 16, 17, 20-23, 25, 26, 28, 29, Dec. 1, 4-15, 26, 28, 30, 31, 2005, Jan. 2, 4-20, and Mar. 3, 5, 6, 9-16, 20, 21, 2006. Record is good, except for periods of ice affected record, which is poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRITURCO13 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	9.4	11	8.2	7.2	7.0	7.4	13	12	7.2	10	7.9
2	9.2	9.7	8.7	8.2	7.2	6.3	7.0	13	12	8.0	8.6	8.3
3	9.0	9.5	7.8	8.2	6.8	6.3	7.4	12	12	8.4	7.8	8.8
4	14	9.4	7.0	8.0	6.8	6.3	8.5	12	11	7.7	9.0	8.3
5	11	9.2	6.8	8.0	7.0	6.5	10	12	11	7.9	10	7.9
6	10	8.8	6.6	8.0	6.6	6.5	11	12	12	9.3	9.6	7.9
7	10	9.1	6.4	8.4	6.8	6.5	8.6	12	12	8.8	10	9.3
8	9.8	9.0	6.6	8.2	7.0	6.3	8.3	12	12	10	8.9	9.1
9	12	9.0	7.2	7.8	6.6	6.0	10	13	12	13	8.6	9.0
10	13	9.0	8.0	7.6	5.6	6.0	12	13	11	12	8.4	8.3
11	12	9.5	8.0	7.8	5.0	6.2	10	12	10	9.6	7.4	7.9
12	11	9.6	8.0	7.8	5.4	6.0	10	12	10	8.8	7.2	7.6
13	12	9.1	8.6	7.8	5.6	5.8	14	12	9.5	7.9	7.8	7.3
14	12	9.1	8.4	8.0	6.2	6.0	16	13	9.4	7.5	8.4	7.1
15	11	7.3	8.0	8.2	6.2	6.4	15	15	9.2	7.5	8.3	8.1
16	11	7.3	7.6	8.0	5.6	6.5	14	14	9.4	7.0	8.3	7.2
17	11	8.0	8.0	7.8	5.2	6.6	16	13	9.8	6.1	7.7	7.2
18	11	8.3	9.0	8.0	5.2	6.5	15	13	8.9	5.8	8.2	7.5
19	13	8.6	9.7	8.0	5.4	6.7	14	13	8.3	5.9	11	7.4
20	12	8.4	8.5	7.6	5.4	6.5	13	13	7.7	5.6	14	7.7
21	12	8.6	7.9	7.0	5.4	6.5	13	14	7.4	5.4	11	13
22	11	8.8	7.8	6.4	5.2	6.4	13	14	7.3	6.3	9.6	11
23	11	8.6	7.6	6.4	5.2	6.5	14	14	7.1	5.9	9.1	9.8
24	11	8.5	7.3	6.8	5.4	6.6	15	14	6.9	5.5	9.0	9.7
25	10	8.4	7.4	7.0	5.4	6.6	14	13	8.1	5.9	10	9.8
26	10	8.6	7.2	7.2	5.6	6.5	13	13	9.1	7.9	10	9.7
27	10	8.8	6.9	6.8	6.2	7.0	13	13	8.8	7.3	10	9.7
28	10	8.4	6.8	7.0	7.0	6.3	14	12	8.3	8.6	9.3	9.5
29	10	9.4	6.8	7.2	---	6.5	13	12	8.4	7.4	8.9	9.2
30	10	12	6.6	7.2	---	6.7	12	12	7.5	6.6	8.6	9.1
31	9.7	---	8.0	7.4	---	7.1	---	12	---	6.0	8.1	---
TOTAL	338.4	267.4	240.2	236.0	168.2	199.6	361.2	397	288.1	236.8	282.8	260.3
MEAN	10.9	8.91	7.75	7.61	6.01	6.44	12.0	12.8	9.60	7.64	9.12	8.68
AC-FT	671	530	476	468	334	396	716	787	571	470	561	516
MAX	14	12	11	8.4	7.2	7.1	16	15	12	13	14	13
MIN	9.0	7.3	6.4	6.4	5.0	5.8	7.0	12	6.9	5.4	7.2	7.1

CAL YR	2005	TOTAL	11154.5	MEAN	30.56	MAX	299	MIN	4.9	AC-FT	22120
WTR YR	2006	TOTAL	3276	MEAN	8.98	MAX	16	MIN	5.0	AC-FT	6500

MAX DISCH: 23.9 CFS AT 22:00 ON Apr. 13, 2006 GH 1.78 FT. SHIFT -0.24 FT.
MAX GH: 2.11 FT. AT 11:00 ON Jan. 10, 2006 (Ice Affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08240500 TRINCHERA CREEK ABOVE TURNERS RANCH NEAR FORT GARLAND CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR, CO

LOCATION.--Lat 37°23'41", long 105°22'09", SW¼NE¼ sec. 31, T.31 S., R.71 W., (unsurveyed) Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 1000 ft upstream from Mountain Home Reservoir, and 5 mi southeast of Ft. Garland, Co.

DRAINAGE AREA.--57 mi².

GAGE.--Graphic water-stage recorder and a Sutron Satellite system in a 4-ft. diameter corrugated metal shelter and well.

REMARKS.--Record is complete and reliable except for Jul. 12, Aug. 15, 16, 20-23, 2006 when the inlets were plugged and the gage was isolated. Control was submerged from backwater Jul. 1-11, 13-21, Aug. 19, 24-31, Sep. 1-19, 2006. The gage-height was not representative of average on Sep. 30, 2006 when it appears that some trash became caught on the control for part of the day. Record is good, except for periods of no gage-height, gage-height not representative of average, and backwater affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRIMTNC007 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	7.9	6.5	5.4	4.8	5.6	5.6	7.4	7.2	4.0	3.0	3.3
2	5.3	7.6	7.3	5.5	4.6	5.0	5.2	7.1	6.9	4.2	2.8	3.3
3	5.5	7.4	6.6	5.7	4.4	4.9	5.4	7.1	6.7	4.0	2.2	3.2
4	8.4	8.1	4.8	4.7	4.5	5.0	5.8	7.2	6.3	4.4	3.7	3.0
5	8.1	7.8	3.5	4.8	4.7	4.6	6.7	7.2	6.0	4.5	3.4	3.3
6	6.7	7.2	4.0	5.3	3.8	4.8	7.9	7.1	6.4	4.7	3.6	3.3
7	6.5	7.6	4.4	5.5	4.2	4.9	6.5	7.2	6.7	5.0	4.3	3.5
8	6.5	7.3	3.7	5.4	4.5	4.8	5.9	7.3	5.9	5.3	3.3	3.5
9	8.0	7.3	3.9	5.0	4.6	4.3	6.8	7.3	6.1	4.4	3.4	3.6
10	8.9	7.5	4.5	3.9	4.0	4.5	8.2	7.6	5.4	3.9	3.7	3.5
11	8.7	7.2	5.3	4.9	3.8	4.6	7.6	7.3	5.3	4.3	2.4	3.4
12	7.8	8.2	5.9	4.9	4.4	4.3	7.1	6.9	5.2	4.3	2.0	3.4
13	9.2	7.4	6.1	4.2	4.7	4.5	9.0	6.9	4.9	4.3	2.2	3.7
14	8.4	7.7	5.3	5.1	5.0	4.5	11	7.4	5.1	4.1	2.9	3.6
15	9.2	6.9	4.8	5.3	5.1	5.1	11	9.7	4.5	4.3	4.6	3.4
16	8.6	4.5	4.8	4.5	4.7	5.0	9.6	9.2	4.6	4.1	4.6	3.0
17	8.4	6.0	4.8	3.5	4.3	5.0	11	8.3	4.9	3.7	4.6	3.2
18	8.1	6.8	4.9	4.4	5.0	4.9	10	8.0	3.9	3.5	4.1	3.2
19	8.8	7.1	5.2	5.0	4.9	5.1	7.1	8.0	3.9	3.0	4.6	3.0
20	8.8	5.8	5.5	4.7	4.4	4.8	6.5	8.6	3.9	2.5	5.0	3.1
21	8.2	6.8	5.5	3.9	4.7	4.7	5.7	8.7	3.5	2.0	4.8	7.7
22	9.0	6.8	5.5	4.7	3.9	5.2	6.0	9.1	3.3	1.6	4.8	7.4
23	8.8	6.4	5.6	4.4	4.5	4.9	7.2	9.5	3.2	2.2	4.8	6.2
24	9.3	7.0	5.4	4.5	4.8	4.9	9.5	8.7	3.0	1.9	4.5	5.7
25	8.3	5.9	5.4	4.7	4.6	5.0	7.7	8.5	3.4	2.0	4.1	6.5
26	9.0	6.2	5.5	4.9	4.7	5.0	7.2	8.2	4.3	2.5	4.0	6.3
27	8.9	6.2	5.5	4.6	5.0	4.6	7.3	7.8	3.9	1.9	3.9	6.1
28	8.2	3.5	5.5	4.6	5.4	4.8	7.6	7.7	4.2	3.1	3.9	5.4
29	9.1	4.0	5.8	4.7	---	4.8	7.2	7.7	4.5	2.2	3.9	5.1
30	8.4	5.7	4.8	4.7	---	5.2	6.9	7.8	4.0	2.3	4.2	5.6
31	7.9	---	5.8	4.8	---	4.7	---	7.6	---	1.9	4.6	---
TOTAL	250.6	201.8	162.1	148.2	128.0	150.0	226.2	244.1	147.1	106.1	117.9	128.5
MEAN	8.08	6.73	5.23	4.78	4.57	4.84	7.54	7.87	4.90	3.42	3.80	4.28
AC-FT	497	400	322	294	254	298	449	484	292	210	234	255
MAX	9.3	8.2	7.3	5.7	5.4	5.6	11	9.7	7.2	5.3	5.0	7.7
MIN	5.3	3.5	3.5	3.5	3.8	4.3	5.2	6.9	3.0	1.6	2.0	3.0

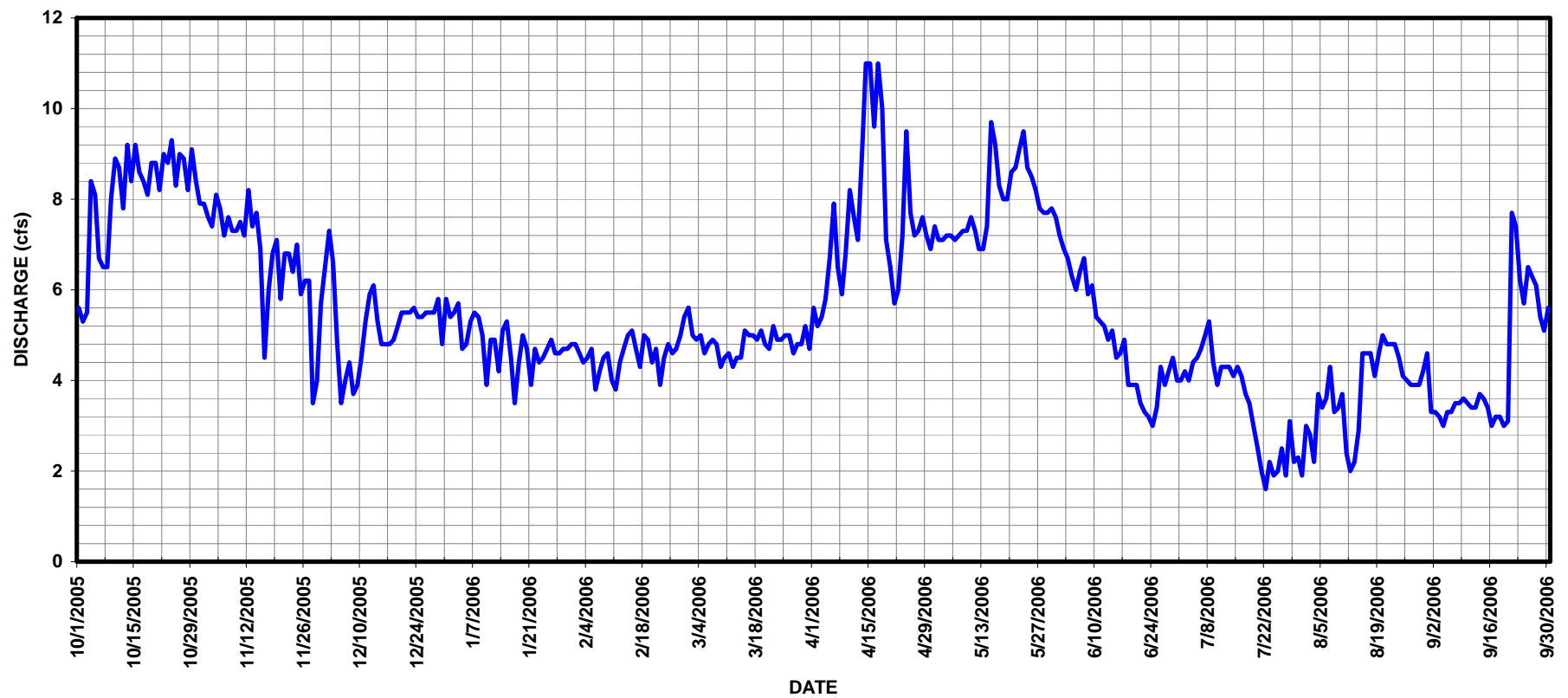
CAL YR	2005	TOTAL	8250.5	MEAN	22.6	MAX	199	MIN	3.4	AC-FT	16360
WTR YR	2006	TOTAL	2010.6	MEAN	5.51	MAX	11	MIN	1.6	AC-FT	3990

MAX DISCH: 13.9 CFS AT 02:00 ON Apr. 14, 2006 GH 0.62 FT. SHIFT -0.01 FT.

MAX GH: 0.88 FT. AT 07:45 ON Jul. 8, 2006 (Backwater affected)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08241000 TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°25'30", long 105°24'52", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank at ice house road bridge, 2,200 ft upstream from Garland Canal, 1.0 mi east of Fort Garland, and 6.3 mi upstream from Ute Creek.

DRAINAGE AREA.--190 mi².

GAGE.--Graphic water-stage recorder with satellite monitoring system in a 4' diameter CMP shelter and well. Elevation of gage is 7,900 ft, from topographic map.

REMARKS.--Record is complete and reliable except for Nov. 28, 29, Dec. 5-19, 2005 when the station floats were frozen and Dec. 20, 2005 through Feb. 28, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 26, 27, 30, Dec. 1-4, 2005, Mar. 1-17, 2006. Record is good except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANFTGCO18 USED FROM 01-OCT-2005 TO 30-SEP-2006

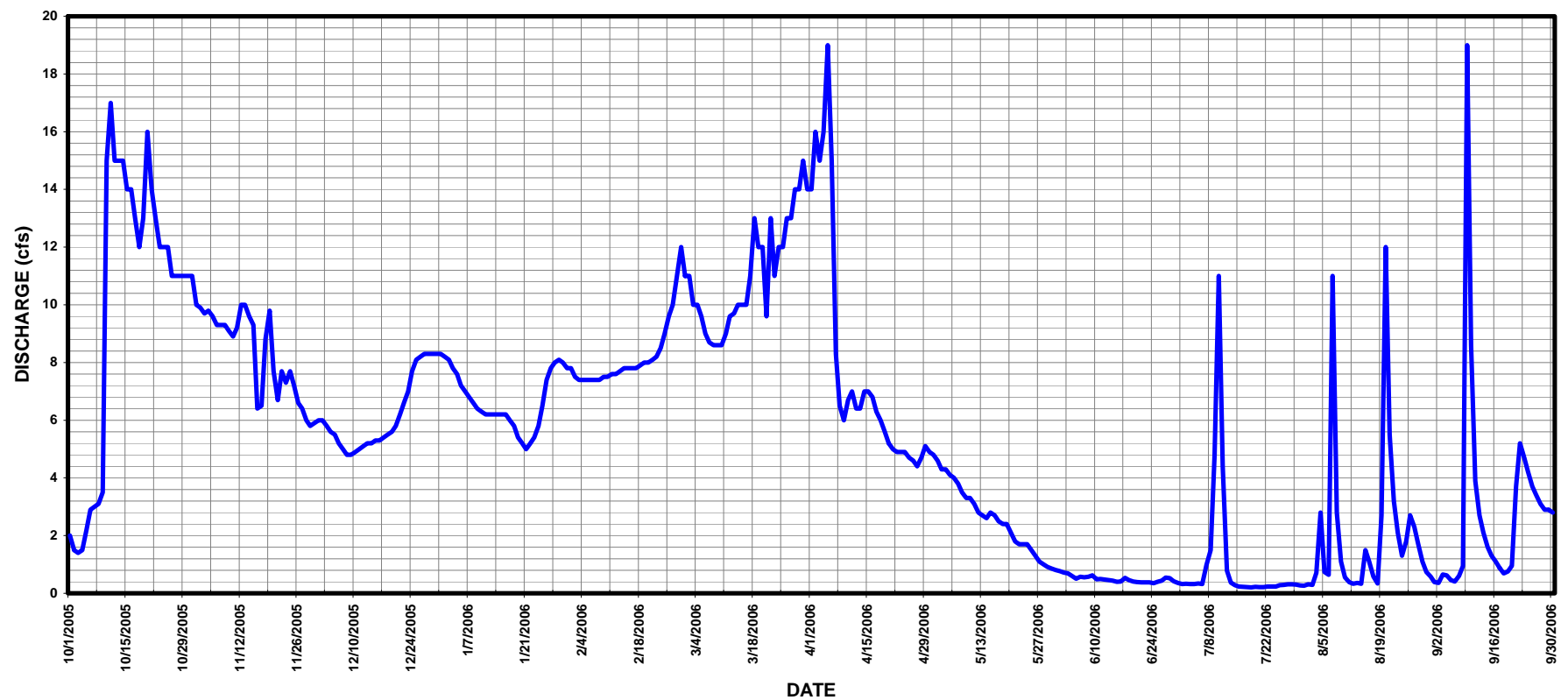
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	10	6.0	8.2	7.8	11	14	4.8	.77	.32	.31	.39
2	1.5	9.9	6.0	8.1	7.5	11	16	4.6	.72	.33	.29	.36
3	1.4	9.7	5.8	7.8	7.4	10	15	4.3	.69	.32	.71	.65
4	1.5	9.8	5.6	7.6	7.4	10	16	4.3	.60	.32	2.8	.62
5	2.2	9.6	5.5	7.2	7.4	9.6	19	4.1	.51	.34	.74	.46
6	2.9	9.3	5.2	7.0	7.4	9.0	15	4.0	.57	.32	.64	.41
7	3.0	9.3	5.0	6.8	7.4	8.7	8.3	3.8	.55	.98	11	.60
8	3.1	9.3	4.8	6.6	7.4	8.6	6.5	3.5	.57	1.5	2.8	.94
9	3.5	9.1	4.8	6.4	7.5	8.6	6.0	3.3	.62	4.8	1.1	.19
10	15	8.9	4.9	6.3	7.5	8.6	6.7	3.3	.49	11	.55	8.6
11	17	9.2	5.0	6.2	7.6	9.0	7.0	3.1	.50	4.4	.39	3.9
12	15	10	5.1	6.2	7.6	9.6	6.4	2.8	.48	.79	.33	2.7
13	15	10	5.2	6.2	7.7	9.7	6.4	2.7	.46	.37	.36	2.1
14	15	9.6	5.2	6.2	7.8	10	7.0	2.6	.44	.28	.33	1.6
15	14	9.3	5.3	6.2	7.8	10	7.0	2.8	.40	.23	1.5	1.3
16	14	6.4	5.3	6.2	7.8	10	6.8	2.7	.41	.22	1.1	1.1
17	13	6.5	5.4	6.0	7.8	11	6.3	2.5	.53	.21	.58	.88
18	12	8.8	5.5	5.8	7.9	13	6.0	2.4	.46	.20	.34	.69
19	13	9.8	5.6	5.4	8.0	12	5.6	2.4	.41	.22	2.7	.76
20	16	7.7	5.8	5.2	8.0	12	5.2	2.1	.39	.21	12	.95
21	14	6.7	6.2	5.0	8.1	9.6	5.0	1.8	.38	.21	5.5	3.7
22	13	7.7	6.6	5.2	8.2	13	4.9	1.7	.38	.23	3.2	5.2
23	12	7.3	7.0	5.4	8.5	11	4.9	1.7	.38	.23	2.1	4.7
24	12	7.7	7.7	5.8	9.0	12	4.9	1.7	.35	.23	1.3	4.2
25	12	7.2	8.1	6.5	9.6	12	4.7	1.5	.40	.28	1.8	3.7
26	11	6.6	8.2	7.4	10	13	4.6	1.3	.44	.29	2.7	3.4
27	11	6.4	8.3	7.8	11	13	4.4	1.1	.54	.31	2.3	3.1
28	11	6.0	8.3	8.0	12	14	4.7	1.0	.52	.31	1.7	2.9
29	11	5.8	8.3	8.1	---	14	5.1	.91	.42	.30	1.1	2.9
30	11	5.9	8.3	8.0	---	15	4.9	.86	.36	.27	.74	2.8
31	11	---	8.3	7.8	---	14	---	.81	---	.26	.58	---
TOTAL	309.1	249.5	192.3	206.6	229.1	342.0	234.3	80.48	14.74	30.28	63.59	84.61
MEAN	9.97	8.32	6.20	6.66	8.18	11.0	7.81	2.60	.49	.98	2.05	2.82
AC-FT	613	495	381	410	454	678	465	160	29	60	126	168
MAX	17	10	8.3	8.2	12	15	19	4.8	.77	11	12	19
MIN	1.4	5.8	4.8	5.0	7.4	8.6	4.4	.81	.35	.20	.29	.36
CAL YR	2005	TOTAL	13173.24	MEAN	36.1	MAX	276	MIN	.48	AC-FT	26130	
WTR YR	2006	TOTAL	2036.6	MEAN	5.58	MAX	19	MIN	.20	AC-FT	4040	

MAX DISCH: 107 CFS AT 13:30 ON Sep. 9, 2006 GH 2.70 FT. SHIFT -0.05 FT.
MAX GH: 2.70 FT. AT 13:30 ON Sep. 9, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08241500 SANGRE DE CRISTO CREEK NEAR FORT GARLAND CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08242500 UTE CREEK NEAR FORT GARLAND, CO

LOCATION.--Lat 37°26'50", long 105°25'33", Costilla County, Hydrologic Unit 13010002, in Sangre de Cristo Grant, on left bank 2,300 ft upstream from Newton ditch, 1.4 mi north of Fort Garland, and 5.7 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--32 mi². Staff gage established on weir Mar. 1915 and operated to Oct. 1916. Continuous record from May 1923 to present at various locations close to present site.

GAUGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a 4-ft. diameter CMP shelter and well. Elevation of gage is 8,045 ft, from topographic map.

REMARKS.--Record is complete and reliable except for November 26-30, December 1-19, 2005 when the well was frozen and Dec. 20, 2005 through Mar. 28, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice Nov. 17-25, 2005. Record is good, except for periods of no gage-height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--UTEFTGCO17 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

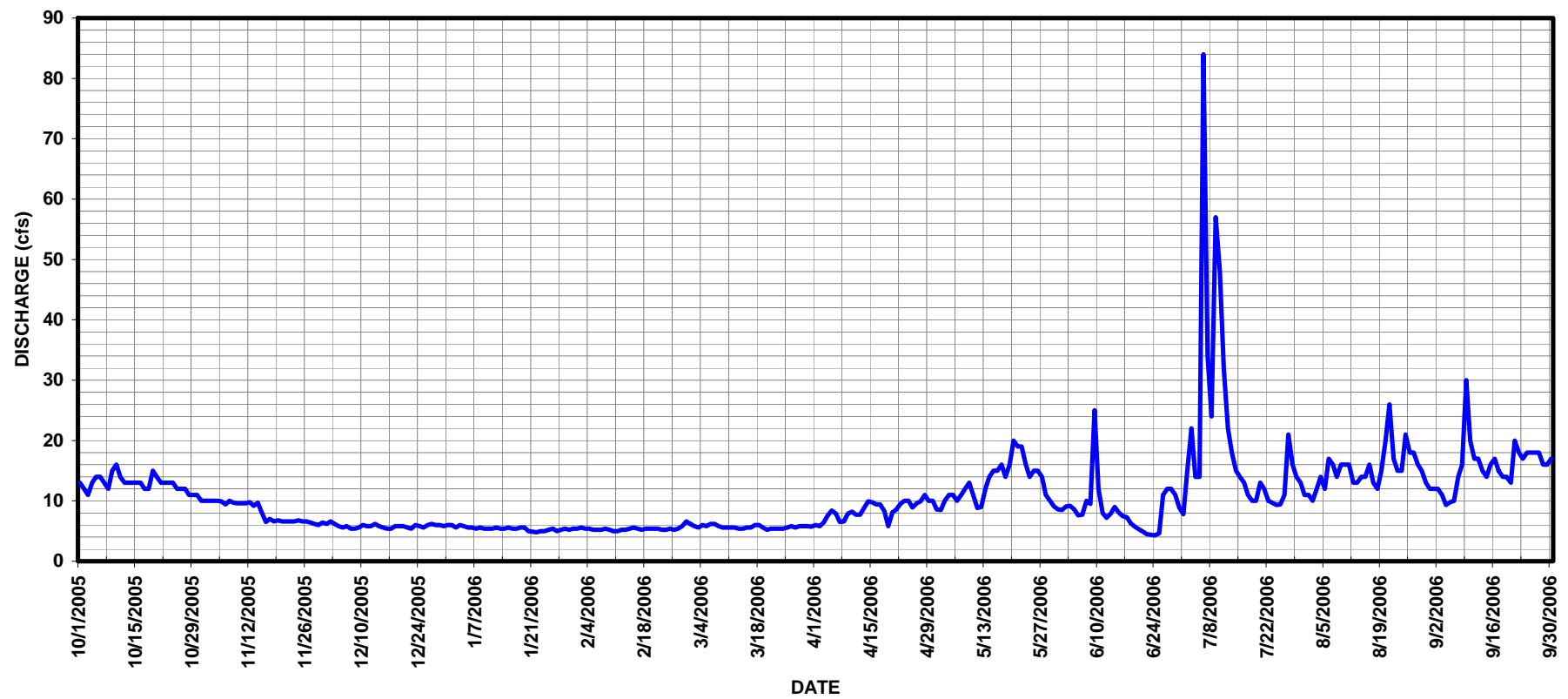
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	10	6.2	6.0	5.4	6.2	6.0	8.6	8.5	7.8	11	12
2	12	10	6.6	5.6	5.6	5.8	5.8	8.5	9.1	15	10	12
3	11	10	6.2	6.0	5.4	5.6	6.4	10	9.2	22	12	11
4	13	10	5.8	5.8	5.4	6.0	7.6	11	8.6	14	14	9.3
5	14	9.9	5.6	5.6	5.2	5.8	8.4	11	7.6	14	12	9.8
6	14	9.4	5.8	5.6	5.2	6.2	7.9	10	7.7	84	17	10
7	13	10	5.4	5.4	5.2	6.2	6.5	11	10	34	16	14
8	12	9.7	5.4	5.6	5.4	5.8	6.6	12	9.5	24	14	16
9	15	9.6	5.6	5.4	5.2	5.6	7.9	13	25	57	16	30
10	16	9.6	6.0	5.4	5.0	5.6	8.2	11	12	48	16	20
11	14	9.6	5.8	5.4	5.0	5.6	7.7	8.8	8.0	32	16	17
12	13	9.8	5.8	5.6	5.2	5.6	7.7	9.0	7.2	22	13	17
13	13	9.2	6.2	5.4	5.2	5.4	8.8	12	7.9	18	13	15
14	13	9.7	5.8	5.4	5.4	5.4	9.9	14	9.0	15	14	14
15	13	8.1	5.6	5.6	5.6	5.6	9.8	15	8.1	14	14	16
16	13	6.5	5.4	5.4	5.4	5.6	9.4	15	7.5	13	16	17
17	12	7.0	5.4	5.4	5.2	6.0	9.4	16	7.3	11	13	15
18	12	6.6	5.8	5.6	5.4	6.0	8.3	14	6.3	10	12	14
19	15	6.8	5.8	5.6	5.4	5.6	5.8	16	5.7	10	15	14
20	14	6.6	5.8	5.0	5.4	5.2	8.1	20	5.3	13	20	13
21	13	6.6	5.6	4.9	5.4	5.4	8.6	19	4.9	12	26	20
22	13	6.6	5.4	4.8	5.2	5.4	9.5	19	4.5	10	17	18
23	13	6.6	6.0	5.0	5.2	5.4	10	16	4.4	9.7	15	17
24	13	6.8	5.8	5.0	5.4	5.4	10	14	4.3	9.3	15	18
25	12	6.6	5.6	5.2	5.2	5.6	8.9	15	4.6	9.4	21	18
26	12	6.6	6.0	5.4	5.4	5.8	9.6	15	11	11	18	18
27	12	6.4	6.2	5.0	5.8	5.6	9.9	14	12	21	18	18
28	11	6.2	6.0	5.2	6.6	5.8	11	11	12	16	16	16
29	11	6.0	6.0	5.4	---	5.8	10	10	11	14	15	16
30	11	6.4	5.8	5.2	---	5.8	10	9.1	8.9	13	13	17
31	10	---	6.0	5.4	---	5.7	---	8.6	---	11	12	---
TOTAL	396	242.9	180.4	167.3	150.4	176.5	253.7	396.6	257.1	614.2	470	472.1
MEAN	12.8	8.10	5.82	5.40	5.37	5.69	8.46	12.8	8.57	19.8	15.2	15.7
AC-FT	785	482	358	332	298	350	503	787	510	1220	932	936
MAX	16	10	6.6	6.0	6.6	6.2	11	20	25	84	26	30
MIN	10	6.0	5.4	4.8	5.0	5.2	5.8	8.5	4.3	7.8	10	9.3

CAL YR	2005	TOTAL	10468.4	MEAN	28.7	MAX	233	MIN	5.4	AC-FT	20760
WTR YR	2006	TOTAL	3777.2	MEAN	10.3	MAX	84	MIN	4.3	AC-FT	7490

MAX DISCH: 139 CFS AT 09:30 ON Jul. 6, 2006 GH 2.79 FT. SHIFT 0.03 FT.
MAX GH: 2.79 FT. AT 09:30 ON Jul. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08242500 UTE CREEK NEAR FORT GARLAND CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA, CO

LOCATION.--Lat 37°23'10", long 105°33'02", in sec. 4, T.31 S., R.73 W., (unsurveyed), Costilla County, Hydrologic Unit 13010002, on right bank 150 ft downstream from bridge, 0.75 mi downstream from Smith Reservoir, and 5.0 mi southwest of Blanca, Co.

DRAINAGE AREA.--396 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in a 42-inch CMP shelter and well. Elevation of gage is 7,700 ft, estimated from nearby U.S. Coast and Geodetic Survey level lines.

REMARKS.--Record is complete and reliable, except for Jan. 17, 2006 when a few hours of satellite data were missing. The shaft encoder float was in oil cylinder and therefore was the only record used from Dec. 20, 2005 to Feb. 28, 2006 when remainder of well was frozen. Stage-discharge relation was affected by ice Dec. 4, 5, 2005. Record is good, except for periods of ice affected record, which are fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TRISMIC011 USED FROM 01-OCT-2005 TO 30-SEP-2006

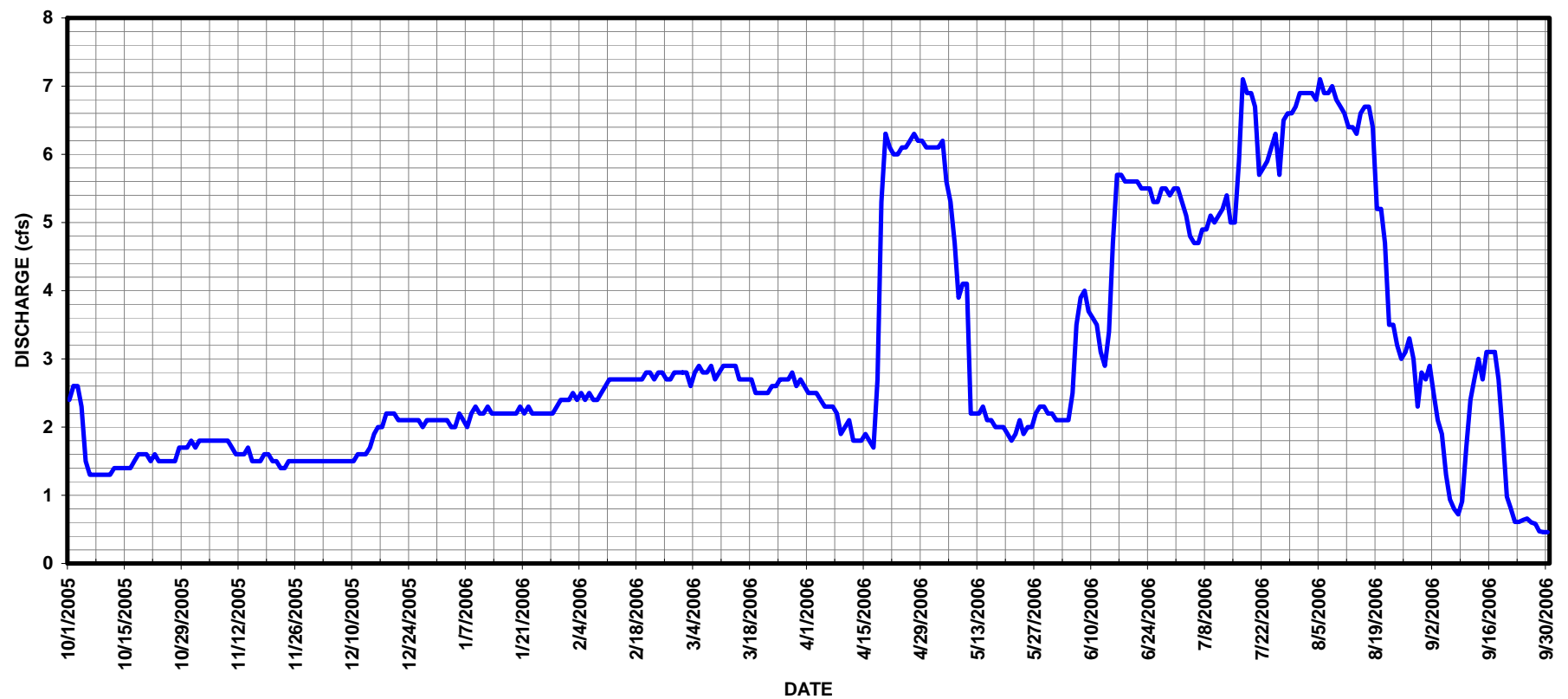
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.7	1.5	2.1	2.4	2.8	2.5	6.1	2.1	5.5	6.9	2.9
2	2.6	1.8	1.5	2.1	2.5	2.8	2.5	6.1	2.1	5.3	6.9	2.5
3	2.6	1.8	1.5	2.0	2.4	2.6	2.5	6.1	2.1	5.1	6.9	2.1
4	2.3	1.8	1.5	2.0	2.5	2.8	2.4	6.2	2.1	4.8	6.8	1.9
5	1.5	1.8	1.5	2.2	2.4	2.9	2.3	5.6	2.5	4.7	7.1	1.3
6	1.3	1.8	1.5	2.1	2.5	2.8	2.3	5.3	3.5	4.7	6.9	.94
7	1.3	1.8	1.5	2.0	2.4	2.8	2.3	4.7	3.9	4.9	6.9	.80
8	1.3	1.8	1.5	2.2	2.4	2.9	2.2	3.9	4.0	4.9	7.0	.72
9	1.3	1.8	1.5	2.3	2.5	2.7	1.9	4.1	3.7	5.1	6.8	.91
10	1.3	1.7	1.5	2.2	2.6	2.8	2.0	4.1	3.6	5.0	6.7	1.7
11	1.3	1.6	1.6	2.2	2.7	2.9	2.1	2.2	3.5	5.1	6.6	2.4
12	1.4	1.6	1.6	2.3	2.7	2.9	1.8	2.2	3.1	5.2	6.4	2.7
13	1.4	1.6	1.6	2.2	2.7	2.9	1.8	2.2	2.9	5.4	6.4	3.0
14	1.4	1.7	1.7	2.2	2.7	2.9	1.8	2.3	3.4	5.0	6.3	2.7
15	1.4	1.5	1.9	2.2	2.7	2.7	1.9	2.1	4.7	5.0	6.6	3.1
16	1.4	1.5	2.0	2.2	2.7	2.7	1.8	2.1	5.7	5.9	6.7	3.1
17	1.5	1.5	2.0	2.2	2.7	2.7	1.7	2.0	5.7	7.1	6.7	3.1
18	1.6	1.6	2.2	2.2	2.7	2.7	2.7	2.0	5.6	6.9	6.4	2.7
19	1.6	1.6	2.2	2.2	2.7	2.5	5.3	2.0	5.6	6.9	5.2	1.9
20	1.6	1.5	2.2	2.3	2.8	2.5	6.3	1.9	5.6	6.7	5.2	.98
21	1.5	1.5	2.1	2.2	2.8	2.5	6.1	1.8	5.6	5.7	4.7	.81
22	1.6	1.4	2.1	2.3	2.7	2.5	6.0	1.9	5.5	5.8	3.5	.61
23	1.5	1.4	2.1	2.2	2.8	2.6	6.0	2.1	5.5	5.9	3.5	.61
24	1.5	1.5	2.1	2.2	2.8	2.6	6.1	1.9	5.5	6.1	3.2	.64
25	1.5	1.5	2.1	2.2	2.7	2.7	6.1	2.0	5.3	6.3	3.0	.66
26	1.5	1.5	2.1	2.2	2.7	2.7	6.2	2.0	5.3	5.7	3.1	.60
27	1.5	1.5	2.0	2.2	2.8	2.7	6.3	2.2	5.5	6.5	3.3	.58
28	1.7	1.5	2.1	2.2	2.8	2.8	6.2	2.3	5.5	6.6	3.0	.47
29	1.7	1.5	2.1	2.3	---	2.6	6.2	2.3	5.4	6.6	2.3	.46
30	1.7	1.5	2.1	2.4	---	2.7	6.1	2.2	5.5	6.7	2.8	.46
31	1.8	---	2.1	2.4	---	2.6	---	2.2	---	6.9	2.7	---
TOTAL	50.0	48.3	57.0	68.2	73.8	84.3	111.4	96.1	130.0	178.0	166.5	47.35
MEAN	1.61	1.61	1.84	2.20	2.64	2.72	3.71	3.10	4.33	5.74	5.37	1.58
AC-FT	99	96	113	135	146	167	221	191	258	353	330	94
MAX	2.6	1.8	2.2	2.4	2.8	2.9	6.3	6.2	5.7	7.1	7.1	3.1
MIN	1.3	1.4	1.5	2.0	2.4	2.5	1.7	1.8	2.1	4.7	2.3	.46
CAL YR	2005	TOTAL	10347.75	MEAN	28.4	MAX	338	MIN	0.88	AC-FT	20520	
WTR YR	2006	TOTAL	1110.95	MEAN	3.04	MAX	7.1	MIN	0.46	AC-FT	2200	

MAX DISCH: 56.4 CFS AT 09:15 ON May. 10, 2006 GH 3.80 FT. SHIFT -0.03 FT.
MAX GH: 3.80 FT. AT 09:15 ON May. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08243500 TRINCHERA CREEK BELOW SMITH RESERVOIR NEAR BLANCA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR, CO

LOCATION.--Lat 37°21'18", long 106°32'37", Conejos County, Hydrologic Unit 13010005, on left bank 1,100 ft downstream from valve house for Platoro Reservoir and 0.7 mi northwest of Platoro.

DRAINAGE AREA AND PERIOD OF RECORD.--40 mi². 1937 - 1953 at site one mile downstream. May 1952 to current year at present site.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring system in a timber shelter and concrete well. The control is a concrete weir with sloping sides. Datum of gage is 9,866.60 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for November 18, 2005 through April 10, 2006 when the station was closed for the winter. Record is good, except for period of no gage-height record, which is fair. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONPLAC013 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	263	8.0	7.2	7.0	7.0	7.0	87	336	130	48	72
2	167	221	8.0	7.2	7.0	7.0	7.0	106	474	129	36	72
3	93	220	8.0	7.2	7.0	7.0	7.0	144	481	144	32	75
4	105	219	8.0	7.2	7.0	7.0	7.0	188	391	159	33	75
5	204	217	8.0	7.2	7.0	7.0	7.0	236	370	131	52	80
6	205	216	8.0	7.0	7.0	7.0	7.0	223	351	123	66	83
7	145	214	8.0	7.0	7.0	7.0	7.0	196	309	189	88	83
8	97	213	8.0	7.0	7.0	7.0	7.0	209	326	248	127	96
9	168	191	8.0	7.0	7.0	7.0	7.0	262	353	295	96	130
10	202	139	8.0	7.0	7.0	7.0	15	223	353	209	78	111
11	167	119	8.0	7.0	7.0	7.0	25	103	266	107	106	94
12	92	59	8.0	7.0	7.0	7.0	27	139	185	123	98	90
13	64	25	8.0	7.0	7.0	7.0	35	225	215	155	96	86
14	102	25	8.0	7.0	7.0	7.0	55	227	261	79	119	71
15	128	24	8.0	7.0	7.0	7.0	65	262	224	66	131	83
16	128	24	8.0	7.0	7.0	7.0	64	341	168	82	138	112
17	128	24	8.0	7.0	7.0	7.0	57	310	154	95	142	119
18	128	16	8.0	7.0	7.0	7.0	58	258	159	94	116	119
19	128	8.0	8.0	7.0	7.0	7.0	72	278	170	84	93	119
20	154	8.0	8.0	7.0	7.0	7.0	81	273	159	81	99	104
21	145	8.0	8.0	7.0	7.0	7.0	94	532	133	69	91	109
22	157	8.0	8.0	7.0	7.0	7.0	121	474	138	53	75	102
23	240	8.0	8.0	7.0	7.0	7.0	130	189	147	63	69	102
24	294	8.0	8.0	7.0	7.0	7.0	129	129	149	57	64	82
25	342	8.0	8.0	7.0	7.0	7.0	119	353	139	51	68	75
26	360	8.0	8.0	7.0	7.0	7.0	114	340	116	58	74	84
27	358	8.0	8.0	7.0	7.0	7.0	130	165	102	62	108	89
28	326	8.0	7.7	7.0	7.0	7.0	193	193	112	67	102	97
29	309	8.0	7.3	7.0	---	7.0	224	167	126	54	72	111
30	306	8.0	7.3	7.0	---	7.0	144	126	130	48	67	127
31	304	---	7.3	7.0	---	7.0	---	206	---	48	78	---
TOTAL	6008	2525.0	245.6	218.0	196.0	217.0	2015.0	7164	6997	3353	2662	2852
MEAN	194	84.2	7.92	7.03	7.00	7.00	67.2	231	233	108	85.9	95.1
AC-FT	11920	5010	487	432	389	430	4000	14210	13880	6650	5280	5660
MAX	360	263	8.0	7.2	7.0	7.0	224	532	481	295	142	130
MIN	64	8.0	7.3	7.0	7.0	7.0	7.0	87	102	48	32	71

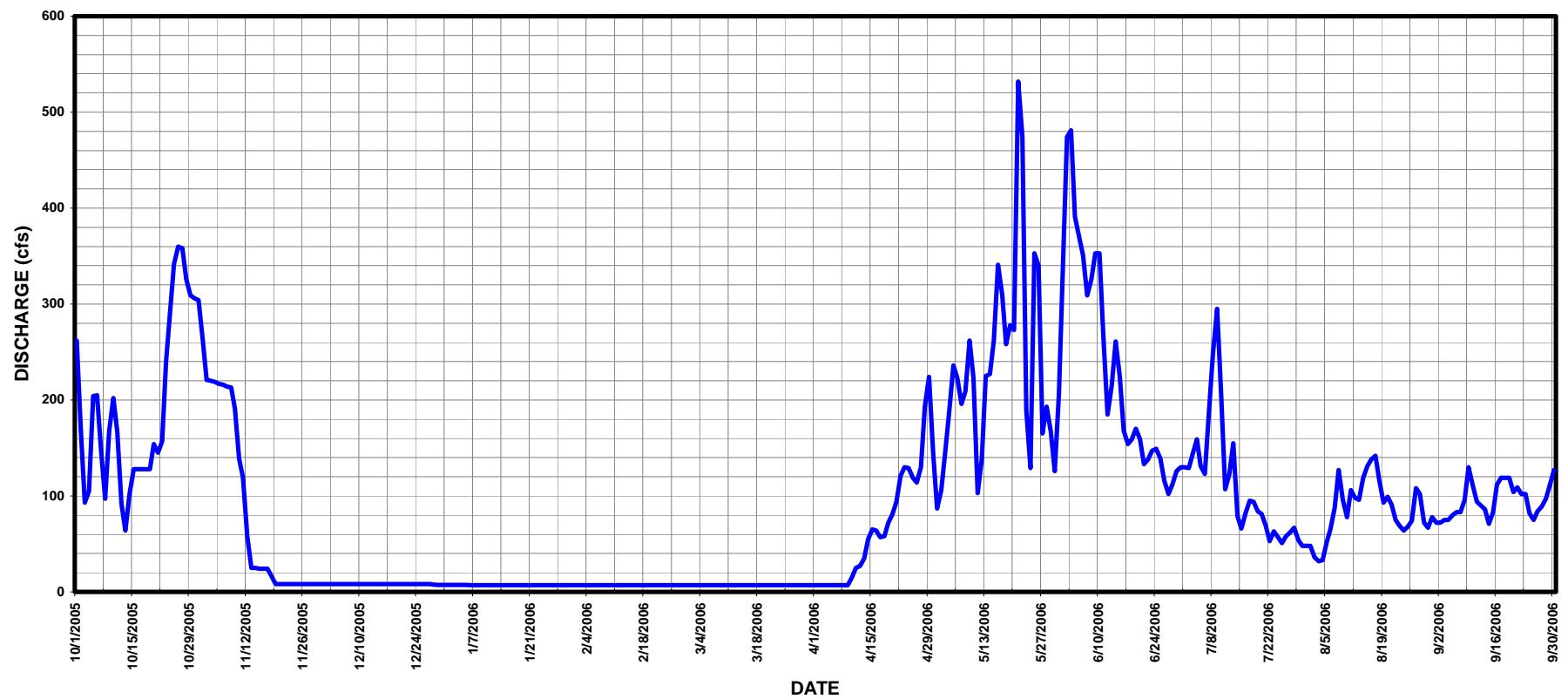
CAL YR	2005	TOTAL	48427.0	MEAN	133	MAX	701	MIN	7.3	AC-FT	96050
WTR YR	2006	TOTAL	34452.6	MEAN	94.4	MAX	532	MIN	7	AC-FT	68340

MAX DISCH: 621 CFS AT 08:30 ON May. 21, 2006 GH 3.19 FT. SHIFT -0.12 FT.

MAX GH: 3.19 FT. AT 08:30 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08245000 CONEJOS RIVER BELOW PLATORO RESERVOIR CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08246500 CONEJOS RIVER NEAR MOGOTE, CO

LOCATION.--Lat 37°03'14", long 106°11'13", in SE¼SE¼ sec. 34, T.33 N., R.7 E., Conejos County, Hydrologic Unit 13010005, on left bank 75 ft downstream from bridge on State Highway 174, 0.4 mi downstream from Fox Creek, 5.3 mi west of Mogote, and 10 mi west of Antonito.

DRAINAGE AREA AND PERIOD OF RECORD.--282 mi². Intermittent, non-recording data from 1903-1915 at various sites. Water stage recorder from 1915-Oct. 1988 at different site. Oct. 1988-present, water stage recorder at current site.

GAGE.--Sutron satellite monitoring system with thermistor and tipping-bucket rain gage in a 5 ft. diameter metal shelter and well. Gage is also equipped with a Graphic water-stage recorder. Datum of gage is 8,271.54 ft, Colorado State Highway datum.

REMARKS.--Record is complete and reliable except for May 7, 2006 when winter floor materials fell into well and trapped floats. Stage-discharge relation was affected by ice Nov. 27, 2005 through Mar. 9, 2006, and Mar. 14-17, 2006. Record is good except for the periods of no gage-height and ice-affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CONMOGCO12 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

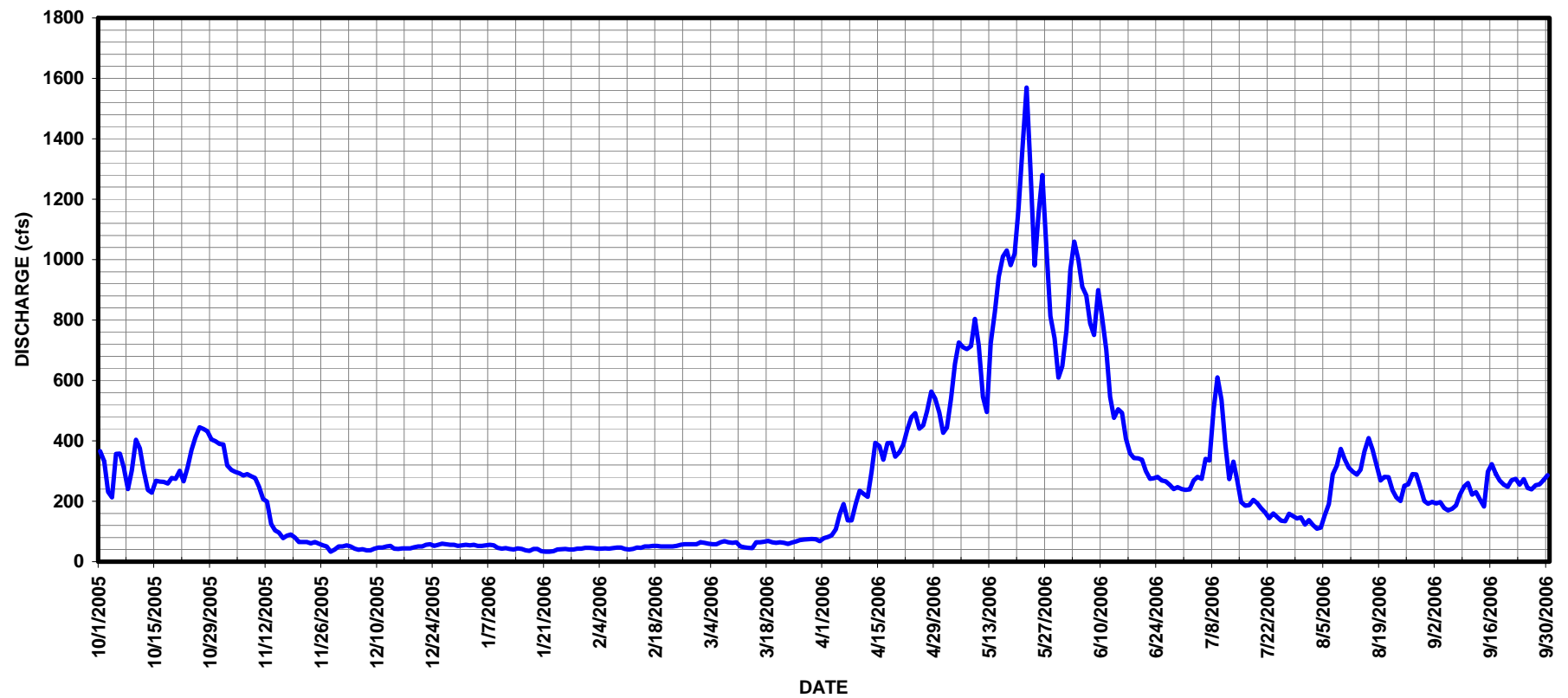
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	366	388	50	56	46	64	78	427	766	238	138	198
2	332	318	54	54	45	62	82	444	966	239	122	193
3	231	304	50	56	43	60	87	541	1060	269	109	197
4	213	297	43	52	43	58	107	655	999	281	113	178
5	357	293	39	52	44	58	157	726	910	274	153	170
6	358	285	41	54	43	64	191	710	882	340	191	175
7	312	290	38	56	45	68	137	704	789	335	289	186
8	240	283	38	54	47	64	137	714	750	504	318	222
9	302	277	43	46	47	62	192	804	899	610	373	249
10	404	249	47	43	42	64	235	715	809	536	339	261
11	375	207	47	45	40	50	225	546	703	387	311	222
12	302	199	50	42	42	48	215	495	546	273	298	230
13	238	125	52	40	47	46	297	723	476	331	288	206
14	228	104	43	44	46	45	394	827	505	268	305	183
15	268	96	42	42	50	64	383	943	493	197	365	298
16	265	78	44	38	50	64	338	1010	407	185	409	323
17	264	86	44	36	52	66	393	1030	359	187	372	290
18	259	90	44	42	52	69	394	982	343	205	322	269
19	277	80	48	42	50	64	348	1020	342	194	269	255
20	274	65	50	35	50	62	362	1170	338	177	281	248
21	301	65	50	33	50	64	387	1380	300	162	280	270
22	266	65	56	33	50	62	436	1570	274	144	237	274
23	313	61	58	35	52	59	478	1300	276	160	213	255
24	370	65	52	40	56	63	492	981	281	148	201	273
25	411	60	56	41	58	67	440	1150	269	136	251	244
26	445	54	60	42	58	72	451	1280	266	134	256	239
27	439	50	58	40	58	73	499	1030	254	159	290	253
28	432	33	56	40	58	74	563	813	240	151	289	256
29	405	40	56	43	---	75	540	739	247	143	245	270
30	399	50	52	43	---	74	494	609	240	147	201	286
31	390	---	54	46	---	68	---	648	---	123	192	---
TOTAL	10036	4657	1515	1365	1364	1953	9532	26686	15989	7637	8020	7173
MEAN	324	155	48.9	44.0	48.7	63.0	318	861	533	246	259	239
AC-FT	19910	9240	3010	2710	2710	3870	18910	52930	31710	15150	15910	14230
MAX	445	388	60	56	58	75	563	1570	1060	610	409	323
MIN	213	33	38	33	40	45	78	427	240	123	109	170

CAL YR	2005	TOTAL	148185	MEAN	406	MAX	2430	MIN	33	AC-FT	293900
WTR YR	2006	TOTAL	95927	MEAN	263	MAX	1570	MIN	33	AC-FT	190300

MAX DISCH: 1720 CFS AT 05:15 ON May. 22, 2006 GH 4.84 FT. SHIFT 0.05 FT.
MAX GH: 4.84 FT. AT 05:15 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08246500 CONEJOS RIVER NEAR MOGOTE CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08247500 SAN ANTONIO RIVER AT ORTIZ, CO

LOCATION.--Lat 36°59'35", long 106°02'17", in NE¼SE¼ sec. 24, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 800 ft south of Colorado-New Mexico State line, 0.4 mi southeast of Ortiz, and 0.4 mi upstream from Los Pinos River.

DRAINAGE AREA AND PERIOD OF RECORD.--110 mi². April 1919 to Oct. 1920, Oct. 1924 to current year(no winter record prior to 1941). Monthly data only for some periods.

GAGE.--Graphic water-stage recorder in metal pipe shelter and well. Sutron satellite monitoring system. Elevation of gage is 7,970 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for December 6-14, 2005 when well was frozen, and December 15, 2005 through March 1, 2006 when the station was closed for the winter. The stage-discharge relation was affected by ice November 26 - December 5, 2005; and March 2-20, 2006. There was no flow June 20 - July 2, July 18-29, 2006 (25 days). Record is good, except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANORTCO14 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

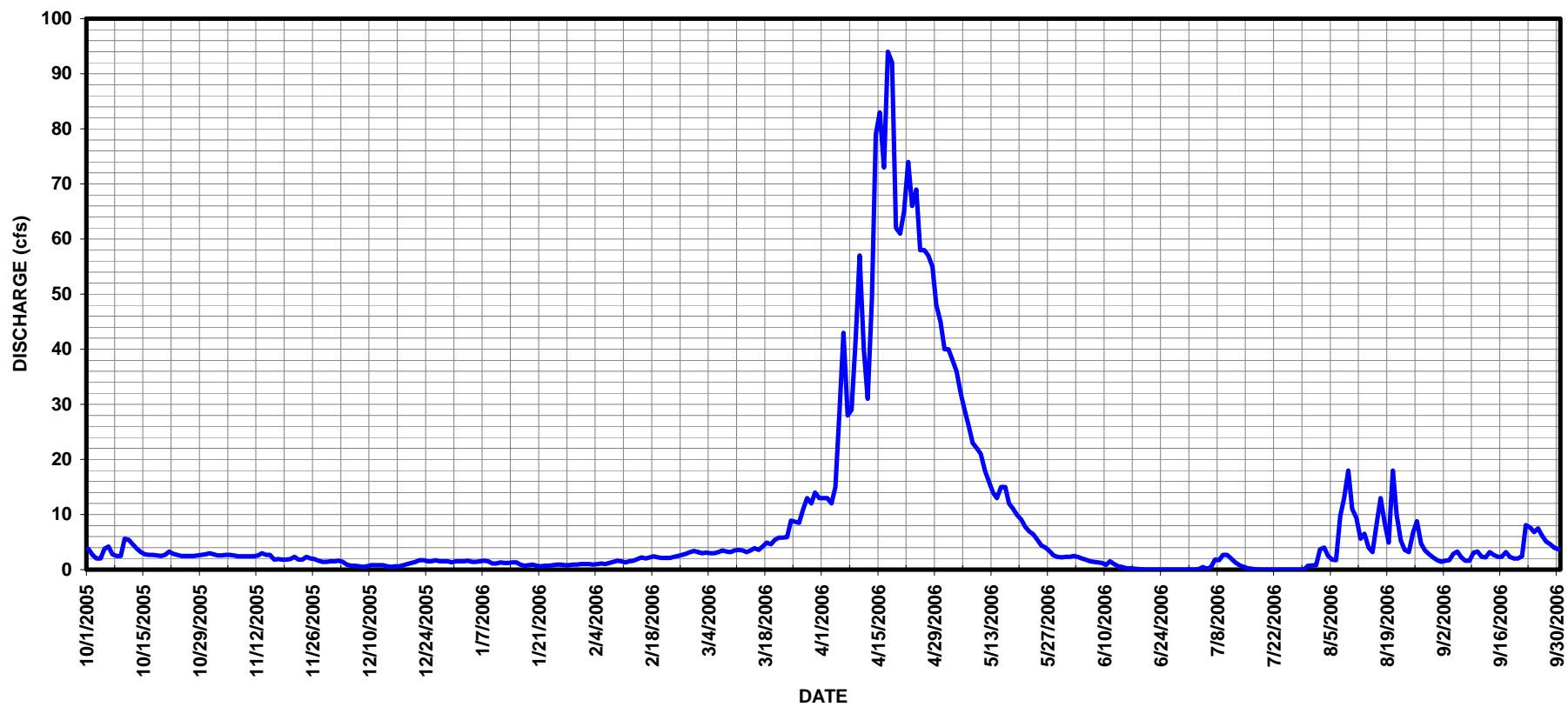
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	2.8	1.5	1.5	1.0	3.2	13	40	2.3	0	.79	1.4
2	2.7	2.6	1.6	1.5	1.0	3.0	13	40	2.5	0	3.7	1.6
3	2.0	2.6	1.4	1.6	.90	3.1	12	38	2.3	.11	4.0	1.7
4	2.0	2.7	.90	1.4	1.0	3.0	15	36	2.0	.45	2.5	2.9
5	3.8	2.7	.70	1.4	1.1	3.0	29	32	1.8	.16	1.8	3.3
6	4.2	2.6	.70	1.5	1.0	3.2	43	29	1.5	.47	1.7	2.2
7	2.8	2.4	.60	1.6	1.2	3.5	28	26	1.4	1.8	9.7	1.6
8	2.5	2.4	.50	1.5	1.4	3.3	29	23	1.3	1.7	13	1.6
9	2.5	2.4	.60	1.1	1.6	3.2	42	22	1.2	2.7	18	3.1
10	5.6	2.4	.80	1.1	1.5	3.5	57	21	.88	2.7	11	3.3
11	5.4	2.4	.80	1.3	1.3	3.6	40	18	1.5	2.0	9.4	2.3
12	4.6	2.6	.80	1.2	1.5	3.5	31	16	1.0	1.3	5.6	2.2
13	3.8	3.0	.80	1.2	1.6	3.2	49	14	.61	.81	6.5	3.2
14	3.2	2.7	.60	1.3	1.9	3.5	79	13	.47	.48	4.0	2.7
15	2.8	2.7	.50	1.3	2.2	3.9	83	15	.25	.26	3.2	2.3
16	2.7	1.8	.60	.90	2.0	3.6	73	15	.18	.14	8.4	2.3
17	2.7	1.9	.60	.70	2.2	4.2	94	12	.15	.05	13	3.2
18	2.6	1.8	.80	.80	2.4	4.9	92	11	.09	0	8.4	2.3
19	2.5	1.8	1.0	.90	2.2	4.6	62	9.9	.07	0	4.9	2.0
20	2.7	1.9	1.2	.70	2.1	5.4	61	9.1	0	0	18	2.0
21	3.3	2.3	1.4	.60	2.1	5.8	65	7.8	0	0	10	2.4
22	2.9	1.8	1.7	.70	2.1	5.8	74	6.9	0	0	5.3	8.1
23	2.7	1.8	1.7	.70	2.3	5.9	66	6.4	0	0	3.6	7.7
24	2.5	2.3	1.5	.80	2.5	8.9	69	5.4	0	0	3.2	6.8
25	2.5	2.0	1.5	.90	2.7	8.7	58	4.4	0	0	6.7	7.5
26	2.5	1.9	1.7	.90	2.9	8.5	58	4.0	0	0	8.8	6.1
27	2.5	1.6	1.5	.80	3.2	11	57	3.4	0	0	4.7	5.1
28	2.6	1.4	1.5	.80	3.4	13	55	2.6	0	0	3.5	4.6
29	2.7	1.4	1.5	.90	---	12	48	2.3	0	0	2.8	4.0
30	2.8	1.5	1.3	.90	---	14	45	2.2	0	.73	2.2	3.7
31	3.0	---	1.5	1.0	---	13	---	2.3	---	.78	1.7	---
TOTAL	94.9	66.2	33.80	33.50	52.30	179.0	1540	487.7	21.50	16.64	200.09	103.2
MEAN	3.06	2.21	1.09	1.08	1.87	5.77	51.3	15.7	.72	.54	6.45	3.44
AC-FT	188	131	67	66	104	355	3050	967	43	33	397	205
MAX	5.6	3.0	1.7	1.6	3.4	14	94	40	2.5	2.7	18	8.1
MIN	2.0	1.4	.50	.60	.90	3.0	12	2.2	0	0	.79	1.4

CAL YR	2005	TOTAL	11380.06	MEAN	31.2	MAX	355	MIN	0	AC-FT	22570
WTR YR	2006	TOTAL	2828.83	MEAN	7.75	MAX	94	MIN	0	AC-FT	5610

MAX DISCH: 135 CFS AT 05:15 ON Apr. 17, 2006 GH 2.59 FT. SHIFT -0.17 FT.
MAX GH: 2.59 FT. AT 05:15 ON Apr. 17, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08247500 SAN ANTONIO RIVER AT ORTIZ CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08248000 LOS PINOS RIVER NEAR ORTIZ, CO

Location.--Lat 36°58'56", long 106°04'23", on line between secs. 26 and 27, T.32 N., R.8 E., Rio Arriba County, New Mexico, Hydrologic Unit 13010005, on left bank 0.9 mi south of Colorado-New Mexico State line, 2.1 mi southwest of Ortiz, and 2.9 mi upstream from mouth.

DRAINAGE AREA AND PERIOD OF RECORD.--167 mi². Jan. 1, 1915 to Apr. 14, 1955, water stage recorder at location 350' upstream. Apr. 15, 1955 relocated to present site.

GAGE.--Water-stage recorder with satellite telemetry in a metal pipe shelter and well with supplemental outside chain gage. Elevation of gage is 8,040 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for December 1, 2005 through March 1, 2006 when the station was closed for the winter. Stage-discharge relation was affected by ice November 15-30, 2005, March 2-16, 19-22, 2006. Chart record was used as primary record August 18 through September 7, 2006 due to defective float on shaft encoder. Record is good except for periods of no gage height and ice affected record, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--LOSORTCO13 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

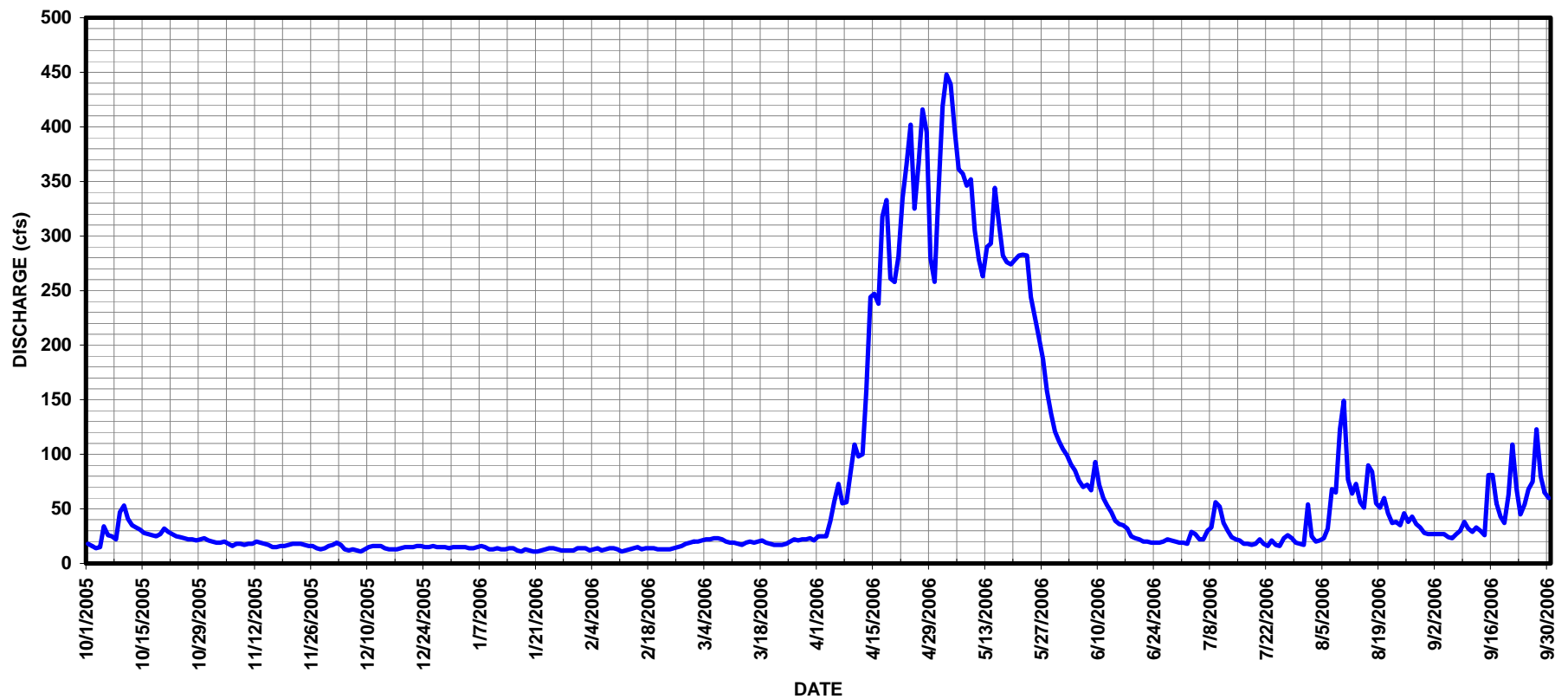
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	17	15	14	20	25	340	105	19	54	27
2	16	19	19	15	14	20	25	419	99	18	25	27
3	14	19	17	15	12	21	25	448	91	29	20	27
4	15	20	13	14	13	22	39	439	85	27	21	27
5	34	18	12	14	14	22	57	396	76	22	23	24
6	26	16	13	15	12	23	73	361	70	22	32	23
7	25	18	12	16	13	23	55	357	72	30	68	27
8	22	18	11	15	14	22	56	346	67	33	65	30
9	47	17	13	13	14	20	82	352	93	56	123	38
10	53	18	15	13	13	19	109	305	72	52	149	32
11	41	18	16	14	11	19	98	278	60	37	77	29
12	35	20	16	13	12	18	100	263	53	30	64	33
13	33	19	16	13	13	17	158	290	47	24	73	30
14	31	18	14	14	14	19	244	293	39	22	56	26
15	28	17	13	14	15	20	247	344	36	21	51	81
16	27	15	13	12	13	19	238	313	35	18	90	81
17	26	15	13	11	14	20	318	282	32	18	84	55
18	25	16	14	13	14	21	333	276	25	17	55	43
19	27	16	15	12	14	19	261	274	23	18	51	37
20	32	17	15	11	13	18	258	278	22	22	60	63
21	29	18	15	11	13	17	281	282	20	18	46	109
22	27	18	16	12	13	17	335	283	20	16	37	68
23	25	18	16	13	13	17	365	282	19	21	38	45
24	24	17	15	14	14	18	402	244	19	17	35	54
25	23	16	15	14	15	20	325	225	19	16	46	68
26	22	16	16	13	16	22	367	207	20	23	38	75
27	22	14	15	12	18	21	416	187	22	26	43	123
28	21	13	15	12	19	22	395	158	21	23	36	80
29	22	14	15	12	---	22	280	137	20	19	33	65
30	23	16	14	12	---	23	258	121	19	18	28	60
31	21	---	15	14	---	21	---	112	---	17	27	---
TOTAL	834	514	454	411	387	622	6225	8892	1401	749	1648	1507
MEAN	26.9	17.1	14.6	13.3	13.8	20.1	208	287	46.7	24.2	53.2	50.2
AC-FT	1650	1020	901	815	768	1230	12350	17640	2780	1490	3270	2990
MAX	53	20	19	16	19	23	416	448	105	56	149	123
MIN	14	13	11	11	11	17	25	112	19	16	20	23

CAL YR	2005	TOTAL	54465	MEAN	149	MAX	1560	MIN	10	AC-FT	108000
WTR YR	2006	TOTAL	23644	MEAN	64.8	MAX	448	MIN	11	AC-FT	46900

MAX DISCH: 655 CFS AT 23:00 ON May. 3, 2006 GH 4.59 FT. SHIFT -0.06 FT.
MAX GH: 4.59 FT. AT 23:00 ON May. 3, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08248000 LOS PINOS RIVER NEAR ORTIZ CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08248500 SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA, CO

LOCATION.--Lat 37°10'37", long 105°52'39", in SE¼NE¼ sec. 21, T.34 N., R.10 E., Conejos County, Hydrologic Unit 13010005, on right bank 0.3 mi. downstream from bridge on State Highway 142, 2.2 mi. upstream from mouth, and 3.3 mi. east of Manassa, Co.

DRAINAGE AREA.--348 mi².

GAGE.--Graphic water-stage recorder with satellite telemetry in metal pipe shelter and well. Altitude of gage is 7,650 ft. from topographic map.

REMARKS.--Record is complete and reliable except for November 27-29, 2005 when the well was frozen, November 30, 2005 through March 17, 2006 when the station was closed for the winter. The stage-discharge relation was affected by ice November 15 and 16, 2005. There was no flow October 1-12, 18-31, November 1-11, 2005, July 19 - August 7, 2006. There was no flow for 57 days. Record is good, except for periods of no gage height and ice effect, which are poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SANMANCO19B USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

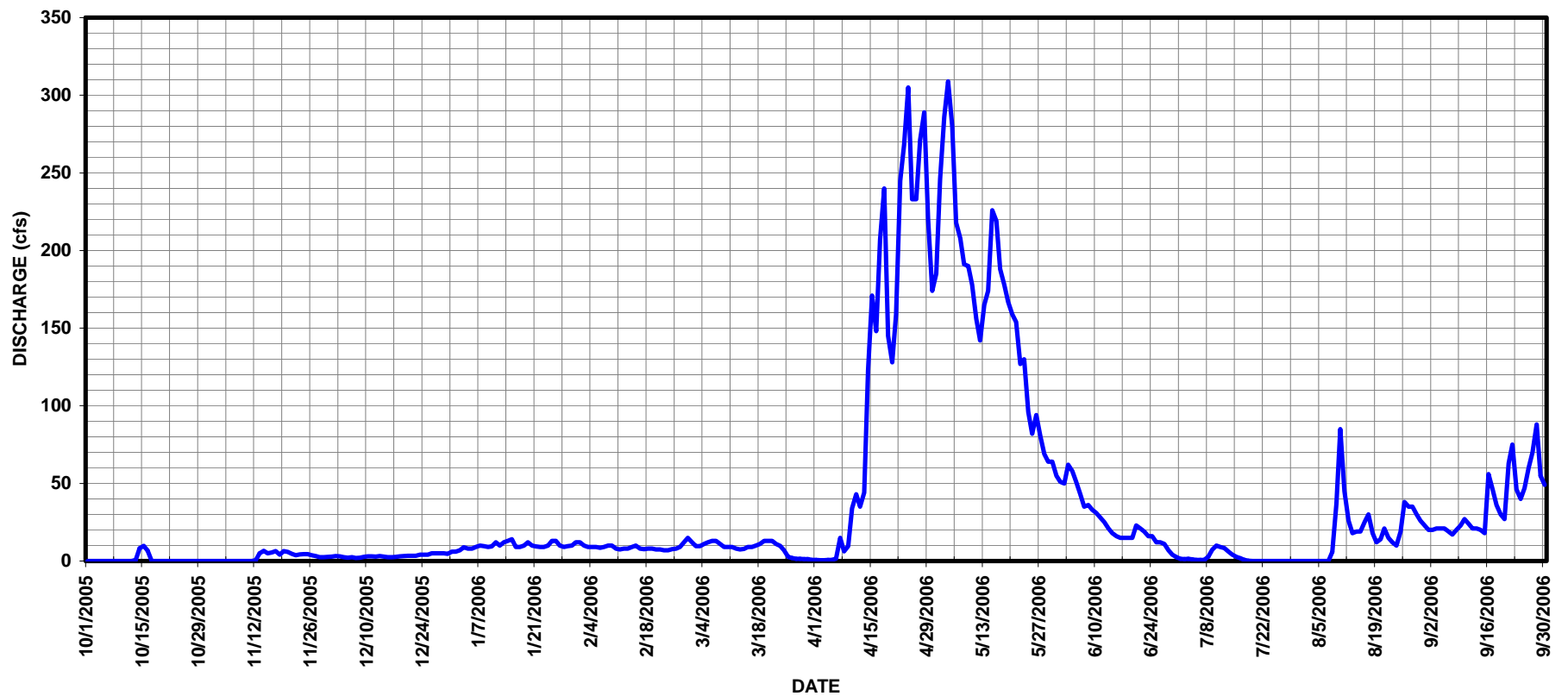
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	2.9	6.0	12	12	.63	185	51	1.5	0	20
2	0	0	3.2	7.0	10	9.6	.55	246	50	1.3	0	20
3	0	0	3.0	8.8	9.0	9.6	.58	286	62	1.5	0	21
4	0	0	2.5	8.0	9.0	11	.73	309	58	1.1	0	21
5	0	0	2.2	8.0	9.0	12	.74	280	51	.69	0	21
6	0	0	2.4	9.0	8.6	13	1.6	218	43	.74	0	19
7	0	0	2.0	10	9.0	13	15	208	35	.68	0	17
8	0	0	2.2	9.6	10	11	6.2	191	36	2.9	5.9	20
9	0	0	2.6	9.0	10	9.0	9.6	190	33	7.2	37	23
10	0	0	3.0	9.4	8.0	9.0	34	178	31	9.9	85	27
11	0	0	3.0	12	7.4	9.0	43	156	28	9.1	45	24
12	0	.52	2.8	10	8.0	8.0	35	142	25	8.3	26	21
13	.75	4.9	3.2	12	8.0	7.4	44	165	21	6.1	18	21
14	8.2	6.5	2.8	13	9.0	7.8	123	174	18	4.0	19	20
15	9.7	5.0	2.5	14	10	9.0	171	226	16	2.6	19	18
16	6.7	5.5	2.5	9.0	8.0	9.0	148	219	15	1.7	25	56
17	.07	6.4	2.7	9.0	7.6	10	207	188	15	.73	30	46
18	0	4.1	3.0	10	8.0	11	240	178	15	.19	18	36
19	0	6.4	3.2	12	8.0	13	145	167	15	0	12	30
20	0	5.9	3.3	10	7.4	13	128	159	23	0	14	27
21	0	4.6	3.3	9.4	7.4	13	159	154	21	0	21	63
22	0	3.7	3.3	9.0	7.0	11	245	127	19	0	15	75
23	0	4.3	4.0	9.0	7.0	9.7	268	130	16	0	12	46
24	0	4.5	4.0	10	7.6	6.9	305	96	16	0	10	40
25	0	4.5	4.0	13	8.0	2.6	233	82	12	0	19	47
26	0	3.8	5.0	13	9.0	1.9	233	94	12	0	38	60
27	0	3.2	5.0	10	12	1.5	271	81	11	0	35	70
28	0	2.5	5.0	9.0	15	1.4	289	69	6.9	0	35	88
29	0	2.5	5.0	9.6	---	1.2	220	64	4.0	0	30	55
30	0	2.7	4.7	10	---	1.2	174	64	2.5	0	26	49
31	0	---	6.0	12	---	.71	---	55	---	0	23	---
TOTAL	25.42	81.52	104.3	309.8	249.0	257.51	3750.63	5081	761.4	60.23	617.9	1101
MEAN	.82	2.72	3.36	9.99	8.89	8.31	125	164	25.4	1.94	19.9	36.7
AC-FT	50	162	207	614	494	511	7440	10080	1510	119	1230	2180
MAX	9.7	6.5	6.0	14	15	13	305	309	62	9.9	85	88
MIN	0	0	2.0	6.0	7.0	.71	.55	55	2.5	0	0	17

CAL YR	2005	TOTAL	48423.38	MEAN	132.7	MAX	1380	MIN	0	AC-FT	96050
WTR YR	2006	TOTAL	12399.71	MEAN	34	MAX	309	MIN	0	AC-FT	24590

MAX DISCH: 408 CFS AT 09:00 ON May. 4, 2006 GH 4.11 FT. SHIFT 0.02 FT.
MAX GH: 4.11 FT. AT 09:00 ON May. 4, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08248500 SAN ANTONIO RIVER AT MOUTH NEAR MANASSA CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, T. 35 N., R. 11 E., Conejos County, on left bank of main channel 125 ft downstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of LaSausas, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at five sites close to present location.

GAGE.--Water-stage recorder with satellite telemetry in timber shelter and well with outside chain gage. Datum of gage is 7,495.02 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 1, 1937.

REMARKS.--Record is complete and reliable. Stage-discharge relation was affected by ice Nov. 28 - Dec. 1, Dec. 4-21, 2005; and Jan. 13, 16-25, Mar. 14, 2006. There was no flow for part of one day on Oct. 1, 2005. Record good, except for periods of ice affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--NORLASCO14 USED FROM 01-OCT-2005 TO 31-DEC-2005
NORLASCO15 USED FROM 01-JAN-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

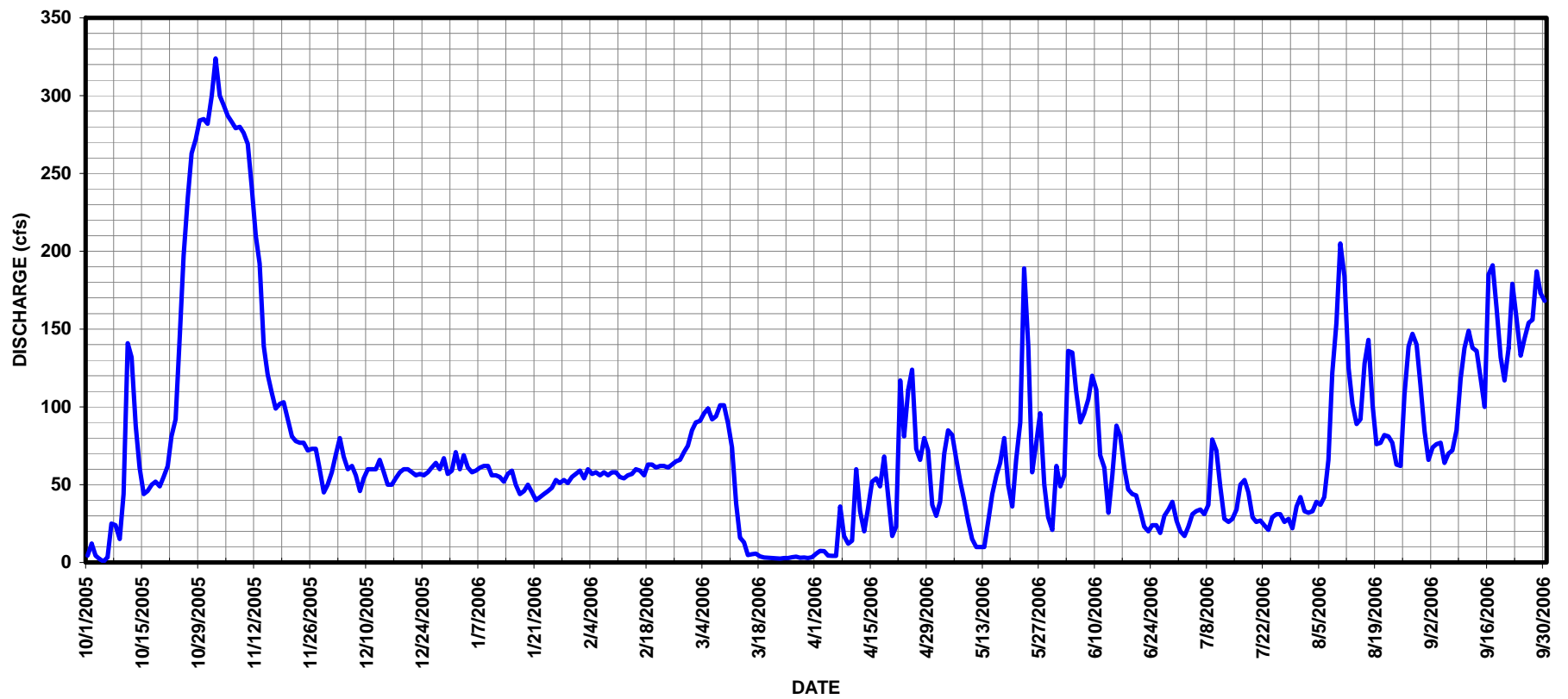
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	300	58	71	59	85	5.6	30	49	20	33	66
2	12	324	69	60	54	90	7.5	39	56	17	32	74
3	4.4	300	80	69	60	91	7.2	70	136	23	33	76
4	2.1	294	68	61	57	96	4.5	85	135	31	39	77
5	.71	287	60	58	58	99	4.2	82	110	33	37	64
6	3.4	283	62	59	56	92	4.3	67	90	34	42	70
7	25	279	56	61	58	94	36	52	96	31	66	72
8	24	280	46	62	56	101	17	40	105	37	122	85
9	15	276	54	62	58	101	12	26	120	79	154	118
10	44	269	60	56	58	89	14	15	111	72	205	138
11	141	242	60	56	55	74	60	10	69	49	184	149
12	132	210	60	55	54	38	33	10	61	28	125	138
13	88	192	66	52	56	16	20	10	32	26	102	136
14	61	139	58	57	57	13	35	26	56	28	89	119
15	44	121	50	59	60	4.7	52	44	88	34	92	100
16	46	109	50	50	59	5.3	54	56	81	50	128	185
17	50	99	54	44	56	5.6	49	64	60	53	143	191
18	52	102	58	46	63	3.9	68	80	47	45	101	164
19	49	103	60	50	63	3.2	43	50	44	29	76	132
20	55	92	60	45	61	3.0	17	36	43	26	77	117
21	62	81	58	40	62	2.8	23	66	33	27	82	138
22	81	78	56	42	62	2.6	117	90	23	24	81	179
23	92	77	57	44	61	2.5	81	189	20	21	77	157
24	145	77	56	46	63	2.8	111	139	24	29	63	133
25	197	72	58	48	65	2.8	124	58	24	31	62	144
26	234	73	61	53	66	3.3	73	77	19	31	108	154
27	263	73	64	51	71	3.7	66	96	30	26	139	156
28	272	60	60	53	75	3.1	80	50	34	28	147	187
29	284	45	67	51	---	3.2	72	29	39	22	140	173
30	285	50	57	55	---	2.9	37	21	27	36	114	168
31	282	---	59	57	---	3.4	---	62	---	42	84	---
TOTAL	3050.01	4987	1842	1673	1683	1137.8	1327.3	1769	1862	1062	2977	3860
MEAN	98.4	166	59.4	54.0	60.1	36.7	44.2	57.1	62.1	34.3	96.0	129
AC-FT	6050	9890	3650	3320	3340	2260	2630	3510	3690	2110	5900	7660
MAX	285	324	80	71	75	101	124	189	136	79	205	191
MIN	.71	45	46	40	54	2.5	4.2	10	19	17	32	64

CAL YR 2005 TOTAL 94516.28 MEAN 259 MAX 1710 MIN 0 AC-FT 187500
WTR YR 2006 TOTAL 27230.11 MEAN 74.6 MAX 324 MIN .71 AC-FT 54010

MAX DISCH: 339 CFS AT 12:30 ON Nov. 2, 2005 GH 3.73 FT. SHIFT -0.07 FT. (Rating NORLASCO14)
MAX GH: 3.73 FT. AT 12:30 ON Nov. 2, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER NEAR LASAUSES MAIN (NORTH) CHANNEL CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL, CO

LOCATION.--Lat 37°18'01", long 105°44'47", in SE¼NE¼ sec. 10, T. 35 N., R. 11 E., Conejos County, on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.0 mi north of LaSauses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Water stage recorder since March 29, 1921 at various sites close to present location.

GAGE.--Graphic water-stage recorder and Sutron satellite monitoring equipment in metal pipe shelter and well. Datum of gage is 7,496.89 ft above mean sea level (levels by Bureau of Reclamation). At present site and datum since Oct. 14, 1965.

REMARKS.--Record is complete and reliable except for February 4-8, 2006 when the well was frozen. Stage-discharge relation was affected by ice February 9, 13-16, 2006 and by backwater from degraded and weed-filled channel below gage May 18, 22-25, June 3-11, 2006. There was no flow October 1, 2005 through February 2, 2006, and February 12, 2006 (126 days). Due to unstable stage-discharge relation caused by degraded channel and weed growth, record is fair except for periods of no gage-height, ice affected, and backwater affected record, which should be considered poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--SOULASCO08 USED FROM 03-FEB-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

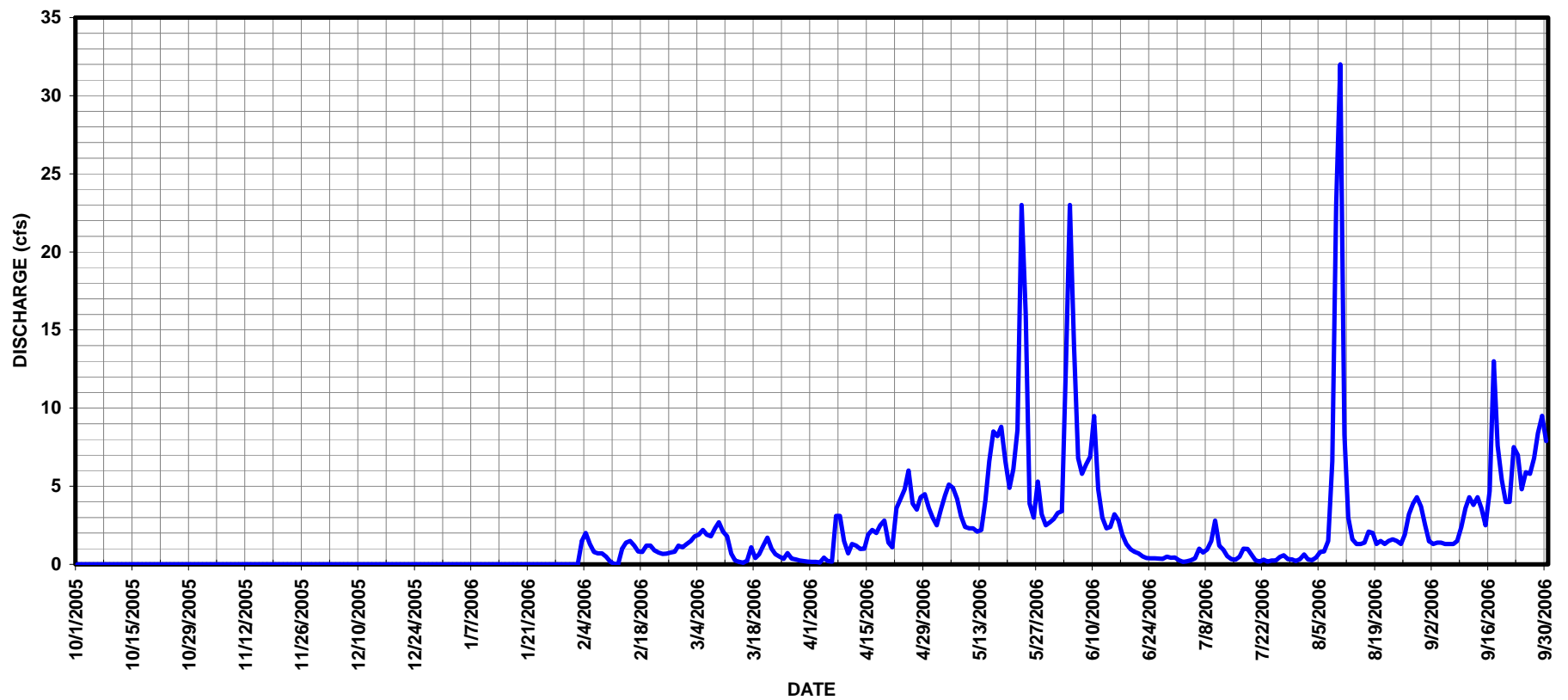
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	1.3	.16	3.0	3.3	.26	.63	1.5
2	0	0	0	0	0	1.5	.15	2.5	3.4	.16	.32	1.3
3	0	0	0	0	1.5	1.8	.13	3.5	13	.20	.27	1.4
4	0	0	0	0	2.0	1.9	.42	4.4	23	.26	.44	1.4
5	0	0	0	0	1.3	2.2	.22	5.1	14	.39	.79	1.3
6	0	0	0	0	.80	1.9	.18	4.9	6.8	1.0	.83	1.3
7	0	0	0	0	.70	1.8	3.1	4.2	5.8	.76	1.5	1.3
8	0	0	0	0	.70	2.3	3.1	3.1	6.4	.95	6.6	1.5
9	0	0	0	0	.50	2.7	1.5	2.4	6.9	1.5	23	2.4
10	0	0	0	0	.18	2.1	.70	2.3	9.5	2.8	32	3.6
11	0	0	0	0	.03	1.8	1.3	2.3	4.8	1.2	8.3	4.3
12	0	0	0	0	0	.69	1.2	2.1	3.0	.93	3.0	3.8
13	0	0	0	0	1.0	.24	.98	2.2	2.3	.52	1.6	4.3
14	0	0	0	0	1.4	.15	1.0	4.1	2.4	.34	1.3	3.6
15	0	0	0	0	1.5	.11	1.9	6.6	3.2	.30	1.3	2.5
16	0	0	0	0	1.2	.23	2.2	8.5	2.8	.49	1.4	4.7
17	0	0	0	0	.82	1.1	2.0	8.2	1.9	1.0	2.1	13
18	0	0	0	0	.80	.41	2.5	8.8	1.3	.98	2.0	7.6
19	0	0	0	0	1.2	.65	2.8	6.6	.97	.61	1.3	5.4
20	0	0	0	0	1.2	1.2	1.4	4.9	.81	.26	1.5	4.0
21	0	0	0	0	.89	1.7	1.1	6.1	.71	.18	1.3	4.0
22	0	0	0	0	.75	1.0	3.6	8.6	.51	.30	1.5	7.5
23	0	0	0	0	.67	.65	4.2	23	.41	.18	1.6	7.0
24	0	0	0	0	.68	.49	4.8	16	.39	.25	1.5	4.8
25	0	0	0	0	.75	.36	6.0	3.9	.39	.25	1.3	5.9
26	0	0	0	0	.81	.73	3.9	3.0	.37	.47	1.9	5.8
27	0	0	0	0	1.2	.37	3.5	5.3	.35	.58	3.2	6.8
28	0	0	0	0	1.1	.32	4.3	3.2	.49	.34	3.9	8.4
29	0	0	0	0	---	.25	4.5	2.5	.42	.31	4.3	9.5
30	0	0	0	0	---	.22	3.6	2.7	.44	.21	3.7	7.9
31	0	---	0	0	---	.17	---	2.9	---	.34	2.5	---
TOTAL	0	0	0	0	23.68	32.34	66.44	166.9	120.06	18.32	116.88	137.8
MEAN	0	0	0	0	.85	1.04	2.21	5.38	4.00	.59	3.77	4.59
AC-FT	0	0	0	0	47	64	132	331	238	36	232	273
MAX	0	0	0	0	2.0	2.7	6.0	23	23	2.8	32	13
MIN	0	0	0	0	0	.11	.13	2.1	.35	.16	.27	1.3

CAL YR	2005	TOTAL	1946.91	MEAN	5.33	MAX	141	MIN	0	AC-FT	3860
WTR YR	2006	TOTAL	682.42	MEAN	1.87	MAX	32	MIN	0	AC-FT	1350

MAX DISCH: 37 CFS AT 17:15 ON Aug. 10, 2006 GH 3.70 FT. SHIFT -1.17 FT.
MAX GH: 3.70 FT. AT 17:15 ON Aug. 10, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER NEAR LASAUSES SECONDARY (SOUTH) CHANNEL CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08249000 CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)

LOCATION.--Lat 37°18'01", long 105°44'47", in SW¼SW¼ sec. 2, and SE¼NE¼ sec. 10 (two channels), T.35 N., R.11 E., Conejos County, Hydrologic Unit 13010005, on left bank of main channel 125 ft downstream from bridge on State Highway 158 and on left bank of secondary channel 230 ft upstream from bridge on State Route 158, 1.0 mi upstream from mouth, 2.1 mi north of Lasasuses, and 13 mi southeast of Alamosa.

DRAINAGE AREA AND PERIOD OF RECORD.--887 mi². Mar. 1921, water stage recorders, at several locations close to present sites.

GAGE.--Two water-stage recorders with satellite telemetry. Datum of gage on main (north) channel is 7,495.02 ft above National Geodetic Vertical Datum of 1929, and on secondary (south) channel is 7,496.89 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Record should be good except for periods of no record and ice affected record, which are poor. Diversions above station for irrigation of about 75,000 acres. Practically entire flow is diverted and record represents mainly return flow. Rcord developed by Div. III Hydrographic Staff.

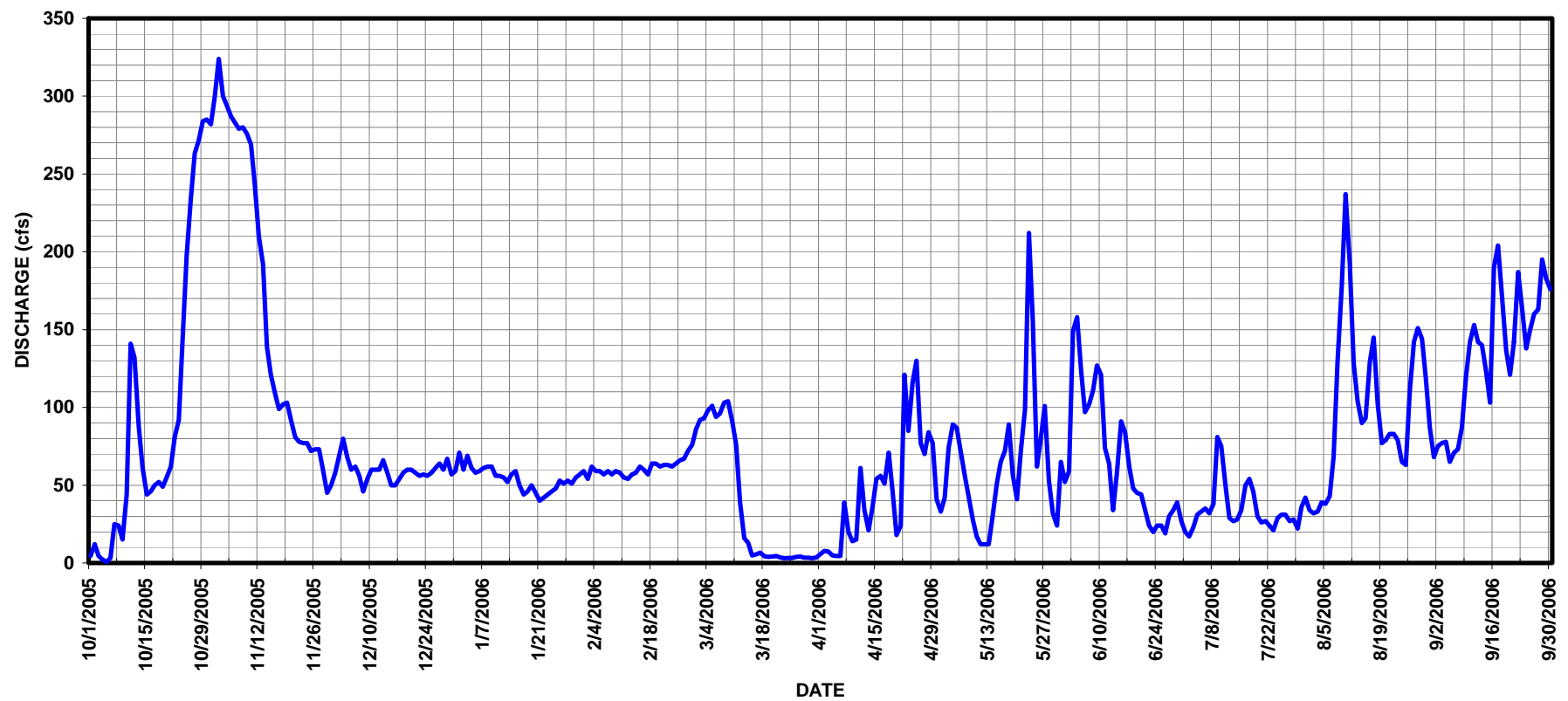
COMBINED CONEJOS RIVER (NORLASCO & SOULASCO)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	300	58	71	59	86	5.8	33	52	20	34	68
2	12	324	69	60	54	92	7.7	42	59	17	32	75
3	4.4	300	80	69	62	93	7.3	74	149	23	33	77
4	2.1	294	68	61	59	98	4.9	89	158	31	39	78
5	.71	287	60	58	59	101	4.4	87	124	33	38	65
6	3.4	283	62	59	57	94	4.5	72	97	35	43	71
7	25	279	56	61	59	96	39	56	102	32	68	73
8	24	280	46	62	57	103	20	43	111	38	129	87
9	15	276	54	62	59	104	14	28	127	81	177	120
10	44	269	60	56	58	91	15	17	121	75	237	142
11	141	242	60	56	55	76	61	12	74	50	192	153
12	132	210	60	55	54	39	34	12	64	29	128	142
13	88	192	66	52	57	16	21	12	34	27	104	140
14	61	139	58	57	58	13	36	30	58	28	90	123
15	44	121	50	59	62	4.8	54	51	91	34	93	103
16	46	109	50	50	60	5.5	56	65	84	50	129	190
17	50	99	54	44	57	6.7	51	72	62	54	145	204
18	52	102	58	46	64	4.3	71	89	48	46	103	172
19	49	103	60	50	64	3.9	46	57	45	30	77	137
20	55	92	60	45	62	4.2	18	41	44	26	79	121
21	62	81	58	40	63	4.5	24	72	34	27	83	142
22	81	78	56	42	63	3.6	121	99	24	24	83	187
23	92	77	57	44	62	3.1	85	212	20	21	79	164
24	145	77	56	46	64	3.3	116	155	24	29	65	138
25	197	72	58	48	66	3.2	130	62	24	31	63	150
26	234	73	61	53	67	4	77	80	19	31	110	160
27	263	73	64	51	72	4.1	70	101	30	27	142	163
28	272	60	60	53	76	3.4	84	53	34	28	151	195
29	284	45	67	51	---	3.5	77	32	39	22	144	183
30	285	50	57	55	---	3.1	41	24	27	36	118	176
31	282	---	59	57	---	3.6	---	65	---	42	87	---
TOTAL	3050.01	4987	1842	1673	1709	1170.8	1395.6	1937	1979	1077	3095	3999
MEAN	98.4	166	59.4	54.0	61.0	37.8	46.5	62.5	66.0	34.7	99.8	133
AC-FT	6050	9890	3650	3320	3390	2320	2770	3840	3930	2140	6140	7930
MAX	285	324	80	71	76	104	130	212	158	81	237	204
MIN	.71	45	46	40	54	3.1	4.4	12	19	17	32	65
CAL YR	2005	TOTAL	96479.28	MEAN	264	MAX	1850	MIN	0	AC-FT	191370	
WTR YR	2006	TOTAL	27914.41	MEAN	76.5	MAX	324	MIN	.71	AC-FT	55370	

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08249000 CONEJOS RIVER NEAR LASAUSES CO (COMBINED)
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08250000 CULEBRA CREEK AT SAN LUIS, CO

LOCATION.--Lat 37°11'01", long 105°25'31", Costilla County, Hydrologic Unit 13010002, in Beaubien Grant, on left bank at bridge 1.0 mi. south of San Luis and 1.0 mi. upstream from Rito Seco.

DRAINAGE AREA AND PERIOD OF RECORD.--220 mi². Station established April 1, 1927 by Colo. State Engineer's Office at present site, different datum. May 1931 new flume installed and datum established at the same site.

GAGE.--Graphic water-stage recorder and a Sutron satellite monitoring system in a metal shelter and rock well. Elevation of gage is 8,000 ft from topographic map.

REMARKS.--Record is complete and reliable for the entire water year. Record is good for the entire water year. During the winter the record may show a pattern of jagged peaks in the late morning hours. While this pattern does appear to be ice affected record, it has been verified by the hydrographic staff of Division 3 that this is caused by freezing and releasing of water above the gage, and that this is good record. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--CULSANCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

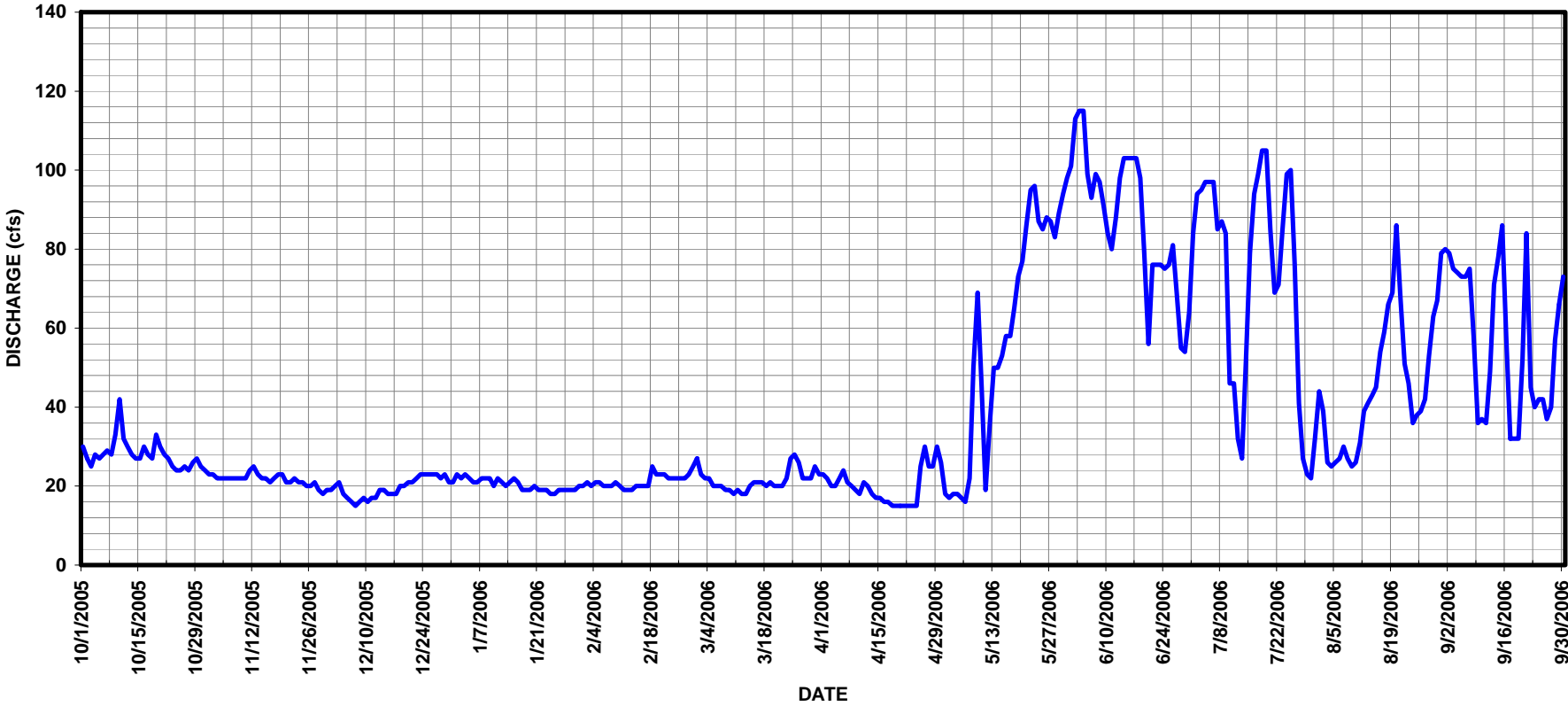
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	23	19	23	20	27	23	18	101	84	44	80
2	27	23	20	22	21	23	22	17	113	94	39	79
3	25	22	21	23	20	22	20	18	115	95	26	75
4	28	22	18	22	21	22	20	18	115	97	25	74
5	27	22	17	21	21	20	22	17	99	97	26	73
6	28	22	16	21	20	20	24	16	93	97	27	73
7	29	22	15	22	20	20	21	22	99	85	30	75
8	28	22	16	22	20	19	20	50	97	87	27	58
9	33	22	17	22	21	19	19	69	91	84	25	36
10	42	22	16	20	20	18	18	45	84	46	26	37
11	32	24	17	22	19	19	21	19	80	46	31	36
12	30	25	17	21	19	18	20	36	88	32	39	49
13	28	23	19	20	19	18	18	50	98	27	41	71
14	27	22	19	21	20	20	17	50	103	52	43	78
15	27	22	18	22	20	21	17	53	103	79	45	86
16	30	21	18	21	20	21	16	58	103	94	54	58
17	28	22	18	19	20	21	16	58	103	99	59	32
18	27	23	20	19	25	20	15	65	98	105	66	32
19	33	23	20	19	23	21	15	73	79	105	69	32
20	30	21	21	20	23	20	15	77	56	85	86	52
21	28	21	21	19	23	20	15	86	76	69	68	84
22	27	22	22	19	22	20	15	95	76	71	51	45
23	25	21	23	19	22	22	15	96	76	85	46	40
24	24	21	23	18	22	27	15	87	75	99	36	42
25	24	20	23	18	22	28	25	85	76	100	38	42
26	25	20	23	19	22	26	30	88	81	76	39	37
27	24	21	23	19	23	22	25	87	69	41	42	40
28	26	19	22	19	25	22	25	83	55	27	53	57
29	27	18	23	19	---	22	30	89	54	23	63	66
30	25	19	21	19	---	25	26	94	64	22	67	73
31	24	---	21	20	---	23	---	98	---	32	79	---
TOTAL	868	650	607	630	593	666	600	1817	2620	2235	1410	1712
MEAN	28.0	21.7	19.6	20.3	21.2	21.5	20.0	58.6	87.3	72.1	45.5	57.1
AC-FT	1720	1290	1200	1250	1180	1320	1190	3600	5200	4430	2800	3400
MAX	42	25	23	23	25	28	30	98	115	105	86	86
MIN	24	18	15	18	19	18	15	16	54	22	25	32
CAL YR 2005	TOTAL	15601	MEAN	42.7	MAX	165	MIN	14	AC-FT	30940		
WTR YR 2006	TOTAL	14408	MEAN	39.5	MAX	115	MIN	15	AC-FT	28580		

MAX DISCH: 129 CFS AT 21:30 ON Jul. 26, 2006 GH 1.65 FT. SHIFT 0 FT.
MAX GH: 1.65 FT. AT 21:30 ON Jul. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08250000 CULEBRA CREEK AT SAN LUIS CO
WY2006 HYDROGRAPH



RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", long 105°45'23", in NE¼NW¼ sec. 27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.

DRAINAGE AREA AND PERIOD OF RECORD.--7,700 mi². approximately, includes 2,940 mi². in closed basin in northern part of San Luis Valley, Colo. June 28, 1899-Nov. 7, 1910, non-recording gage; Nov. 8, 1910, water stage recorder, at present site and datum.

GAGE.--Graphic water-stage recorder in a four foot square timber shelter and cobblestone well. Station contains a Stevens chart recorder, Sutron satellite monitoring equipment, and a water temperature sensor. Auxiliary outside slope gage. Datum of gage is 7,427.63 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record is complete and reliable except for Jul. 12, 2006 when there were eight hours of inaccurate electronic data and the chart recorder was not inking and Sep. 6-7, 2006 when inlets temporarily plugged. The stage-discharge relation was affected by ice Nov. 28, 2005 through Feb. 26, 2006. Record is good except for periods of no gage-height and ice-affected record, which are fair to poor. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--RIOLOBCO03 USED FROM 01-OCT-2005 TO 30-SEP-2006

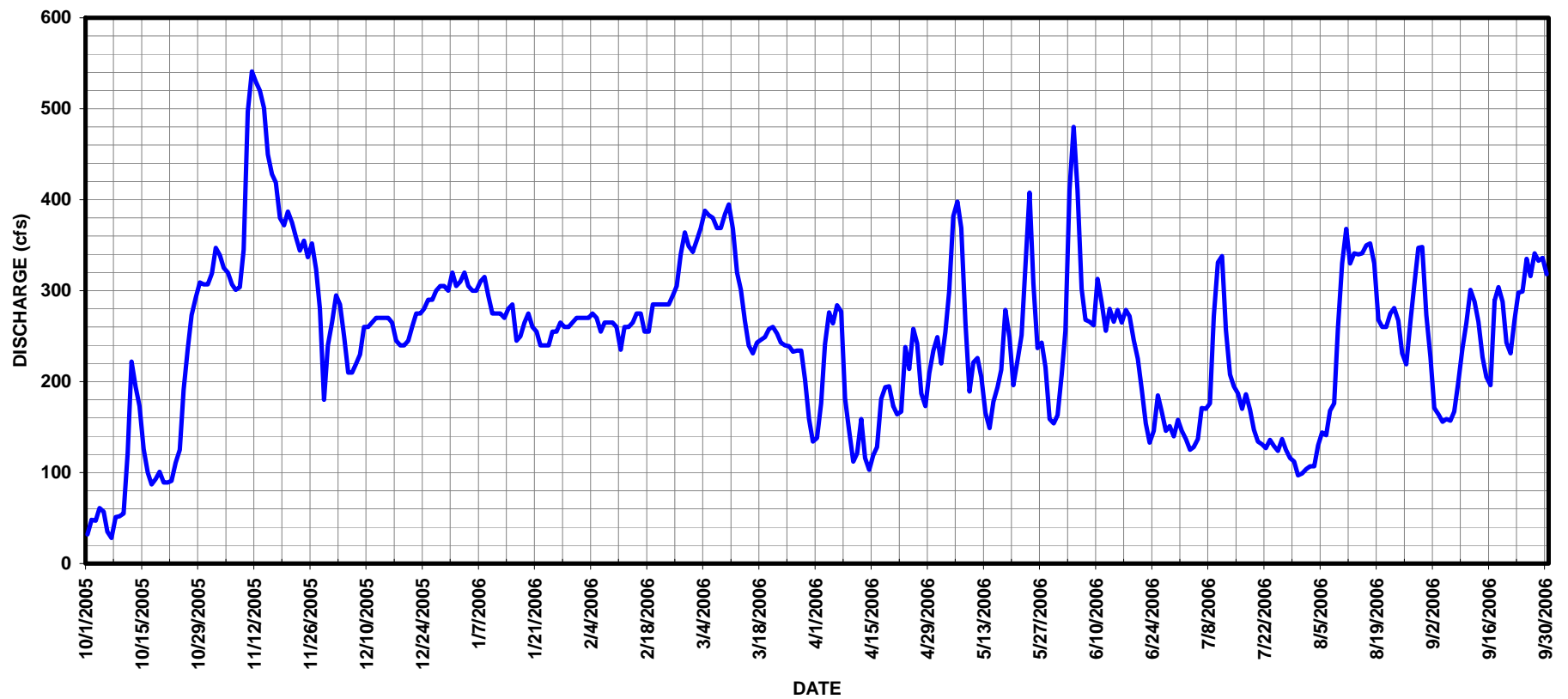
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	319	265	305	270	343	138	249	208	146	104	227
2	48	347	295	310	270	355	176	220	256	137	107	171
3	47	339	285	320	270	369	241	254	411	125	107	164
4	61	325	250	305	275	388	276	299	480	128	130	156
5	57	320	210	300	270	383	264	382	411	137	144	159
6	35	307	210	300	255	380	284	398	302	171	141	157
7	28	301	220	310	265	369	277	369	268	170	168	167
8	51	304	230	315	265	369	182	266	266	176	176	200
9	52	345	260	295	265	384	146	189	262	272	260	237
10	55	497	260	275	260	395	112	221	313	331	330	264
11	122	541	265	275	235	368	121	226	287	338	368	301
12	222	530	270	275	260	320	159	205	256	257	330	288
13	194	520	270	270	260	301	116	166	280	208	341	266
14	173	501	270	280	265	267	103	149	266	195	340	227
15	126	450	270	285	275	240	119	178	279	187	341	205
16	100	428	265	245	275	231	128	194	265	170	350	196
17	87	419	245	250	255	243	181	213	279	186	352	289
18	93	380	240	265	255	246	194	279	272	169	330	304
19	101	372	240	275	285	249	195	249	246	147	268	288
20	89	387	245	260	285	258	173	196	225	134	260	243
21	89	375	260	255	285	260	164	223	192	131	260	231
22	91	358	275	240	285	253	167	251	154	127	275	268
23	111	344	275	240	285	243	238	327	133	136	281	298
24	125	355	280	240	295	240	214	408	146	129	267	299
25	191	337	290	255	305	239	258	308	185	124	231	335
26	236	352	290	255	340	233	242	237	167	137	219	316
27	273	324	300	265	364	234	187	243	146	125	266	341
28	292	280	305	260	349	234	173	216	151	116	306	333
29	309	180	305	260	---	202	209	159	140	112	347	336
30	307	240	300	265	---	159	234	154	158	97	348	318
31	307	---	320	270	---	134	---	163	---	99	273	---
TOTAL	4104	11077	8265	8520	7823	8889	5671	7591	7404	5117	8020	7584
MEAN	132	369	267	275	279	287	189	245	247	165	259	253
AC-FT	8140	21970	16390	16900	15520	17630	11250	15060	14690	10150	15910	15040
MAX	309	541	320	320	364	395	284	408	480	338	368	341
MIN	28	180	210	240	235	134	103	149	133	97	104	156
CAL YR 2005	TOTAL	225904	MEAN	619	MAX	3950	MIN	20	AC-FT	448100		
WTR YR 2006	TOTAL	90065	MEAN	247	MAX	541	MIN	28	AC-FT	178600		

MAX DISCH: 550 CFS AT 14:15 ON Nov. 11, 2005 GH 2.05 FT. SHIFT 0.01 FT.
MAX GH: 2.57 FT. AT 22:30 ON Feb. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

08251500 RIO GRANDE NEAR LOBATOS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09118200 TARBELL DITCH NEAR COCHETOPA PASS, CO

LOCATION.--Tarbell ditch diverts water from Lake Fork Cochetopa Creek (tributary to Cochetopa Creek), in NW¼ sec. 18, T.43 N., R.2 E., in Gunnison River basin, to Lake Fork Creek (tributary to Middle Fork Saguache Creek) in NE¼ sec. 18, T.43 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite monitoring system at a 2.5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TARBELCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

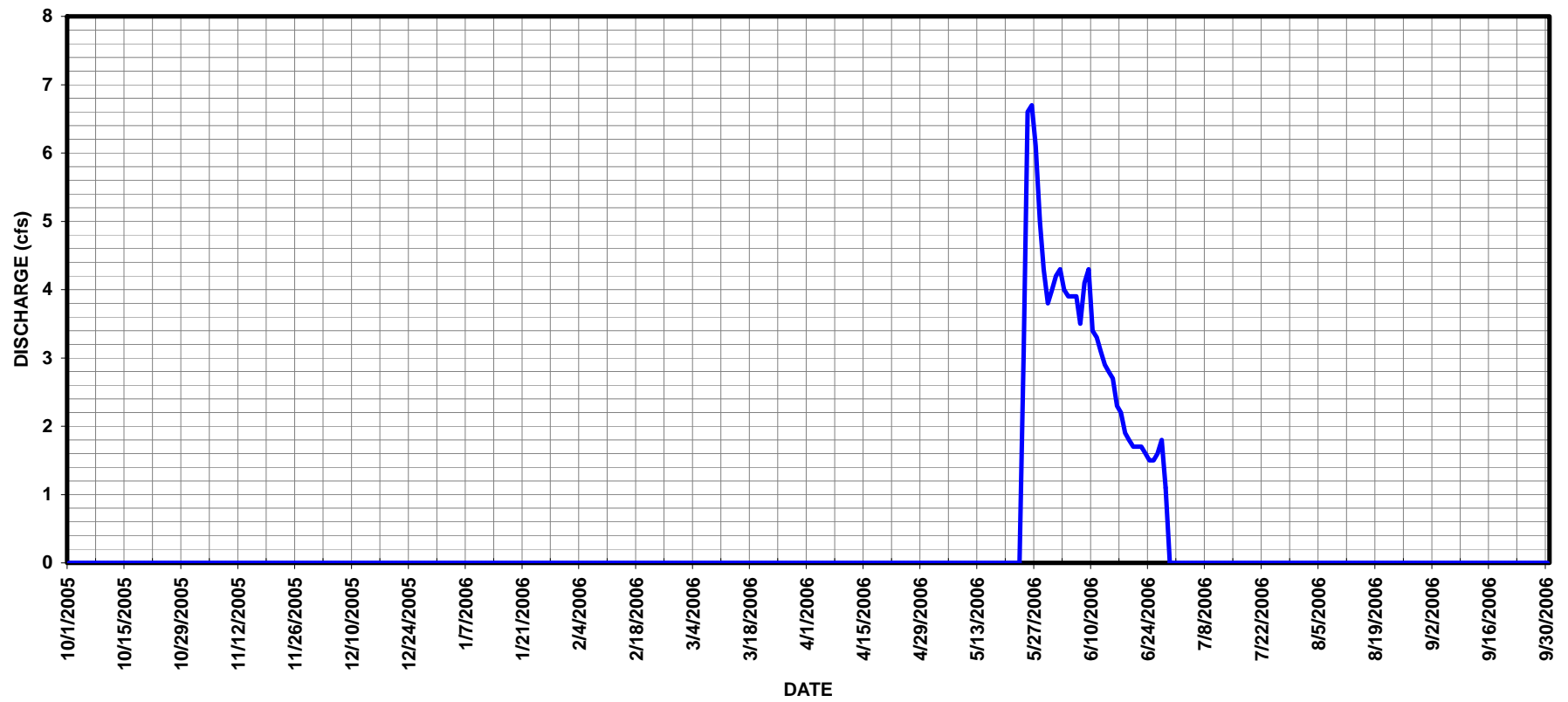
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	4.2	0	0	0
2	0	0	0	0	0	0	0	0	4.3	0	0	0
3	0	0	0	0	0	0	0	0	4.0	0	0	0
4	0	0	0	0	0	0	0	0	3.9	0	0	0
5	0	0	0	0	0	0	0	0	3.9	0	0	0
6	0	0	0	0	0	0	0	0	3.9	0	0	0
7	0	0	0	0	0	0	0	0	3.5	0	0	0
8	0	0	0	0	0	0	0	0	4.1	0	0	0
9	0	0	0	0	0	0	0	0	4.3	0	0	0
10	0	0	0	0	0	0	0	0	3.4	0	0	0
11	0	0	0	0	0	0	0	0	3.3	0	0	0
12	0	0	0	0	0	0	0	0	3.1	0	0	0
13	0	0	0	0	0	0	0	0	2.9	0	0	0
14	0	0	0	0	0	0	0	0	2.8	0	0	0
15	0	0	0	0	0	0	0	0	2.7	0	0	0
16	0	0	0	0	0	0	0	0	2.3	0	0	0
17	0	0	0	0	0	0	0	0	2.2	0	0	0
18	0	0	0	0	0	0	0	0	1.9	0	0	0
19	0	0	0	0	0	0	0	0	1.8	0	0	0
20	0	0	0	0	0	0	0	0	1.7	0	0	0
21	0	0	0	0	0	0	0	0	1.7	0	0	0
22	0	0	0	0	0	0	0	0	1.7	0	0	0
23	0	0	0	0	0	0	0	0	1.6	0	0	0
24	0	0	0	0	0	0	0	3.1	1.5	0	0	0
25	0	0	0	0	0	0	0	6.6	1.5	0	0	0
26	0	0	0	0	0	0	0	6.7	1.6	0	0	0
27	0	0	0	0	0	0	0	6.1	1.8	0	0	0
28	0	0	0	0	0	0	0	5.0	1.1	0	0	0
29	0	0	0	0	---	0	0	4.3	0	0	0	0
30	0	0	0	0	---	0	0	3.8	0	0	0	0
31	0	---	0	0	---	0	---	4.0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	39.6	76.7	0	0	0
MEAN	0	0	0	0	0	0	0	1.28	2.56	0	0	0
AC-FT	0	0	0	0	0	0	0	79	152	0	0	0
MAX	0	0	0	0	0	0	0	6.7	4.3	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	565.2	MEAN	1.55	MAX	13	MIN	0	AC-FT	1120
WTR YR	2006	TOTAL	116.3	MEAN	.32	MAX	6.7	MIN	0	AC-FT	231

MAX DISCH: 8.63 CFS AT 22:00 ON May. 26, 2006 GH 0.95 FT. SHIFT -0.04 FT.
MAX GH: 0.95 FT. AT 22:00 ON May. 26, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09118200 TARBELL DITCH NEAR COCHETOPA PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09121000 TABOR DITCH AT SPRING CREEK PASS, CO

LOCATION.--Lat 37°56'30", long 107°09'00"; Tabor ditch diverts water from tributaries of Cebolla Creek in secs, 29 and 36, T.43 N., R.3 W., in Gunnison River basin, to Big Spring Creek (tributary to North Clear Creek) in sec. 35, T.43 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Steven's Data Logger and satellite monitoring system at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TABDITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

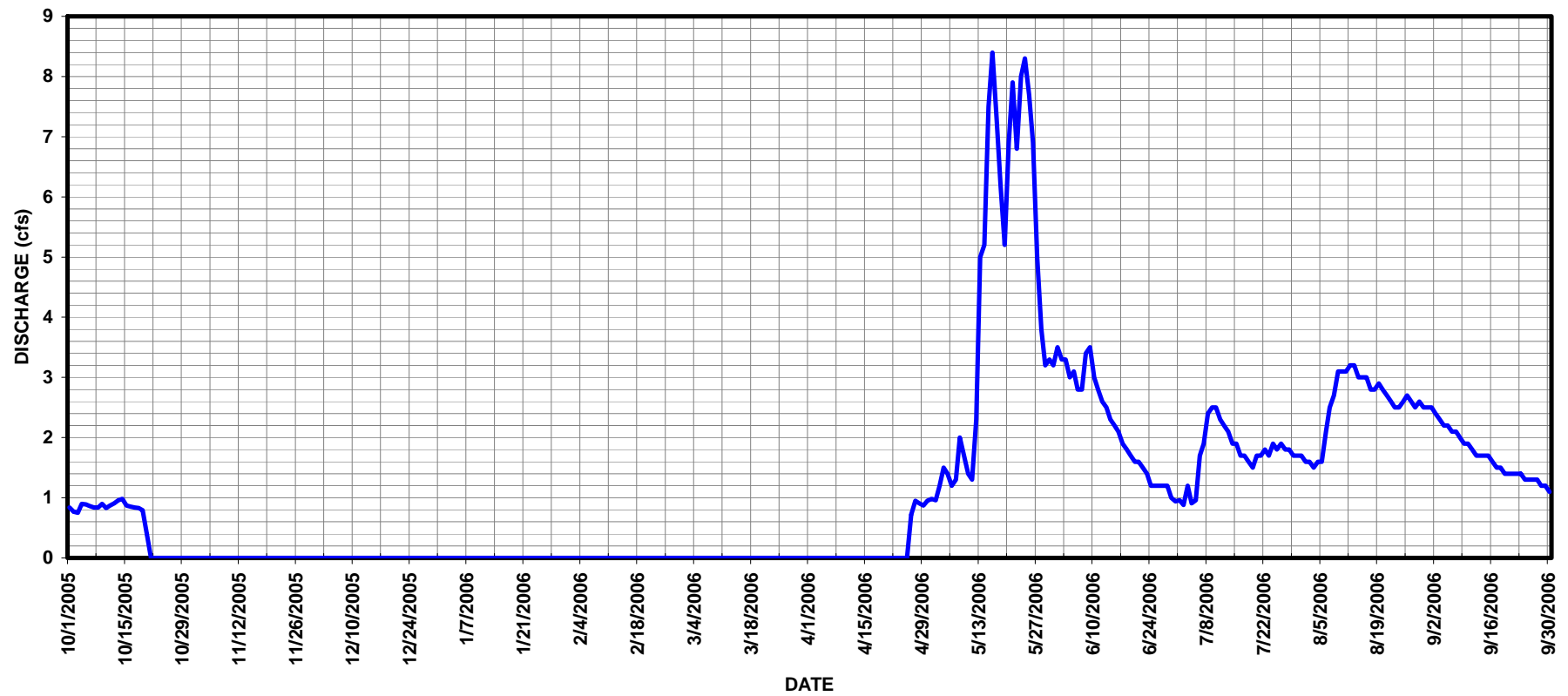
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.84	0	0	0	0	0	0	.98	3.5	.96	1.6	2.5
2	.77	0	0	0	0	0	0	.96	3.3	.88	1.6	2.4
3	.75	0	0	0	0	0	0	1.2	3.3	1.2	1.5	2.3
4	.90	0	0	0	0	0	0	1.5	3.0	.91	1.6	2.2
5	.89	0	0	0	0	0	0	1.4	3.1	.96	1.6	2.2
6	.86	0	0	0	0	0	0	1.2	2.8	1.7	2.1	2.1
7	.84	0	0	0	0	0	0	1.3	2.8	1.9	2.5	2.1
8	.84	0	0	0	0	0	0	2.0	3.4	2.4	2.7	2.0
9	.90	0	0	0	0	0	0	1.7	3.5	2.5	3.1	1.9
10	.83	0	0	0	0	0	0	1.4	3.0	2.5	3.1	1.9
11	.87	0	0	0	0	0	0	1.3	2.8	2.3	3.1	1.8
12	.91	0	0	0	0	0	0	2.3	2.6	2.2	3.2	1.7
13	.96	0	0	0	0	0	0	5.0	2.5	2.1	3.2	1.7
14	.98	0	0	0	0	0	0	5.2	2.3	1.9	3.0	1.7
15	.87	0	0	0	0	0	0	7.5	2.2	1.9	3.0	1.7
16	.85	0	0	0	0	0	0	8.4	2.1	1.7	3.0	1.6
17	.84	0	0	0	0	0	0	7.3	1.9	1.7	2.8	1.5
18	.83	0	0	0	0	0	0	6.2	1.8	1.6	2.8	1.5
19	.79	0	0	0	0	0	0	5.2	1.7	1.5	2.9	1.4
20	.40	0	0	0	0	0	0	6.9	1.6	1.7	2.8	1.4
21	0	0	0	0	0	0	0	7.9	1.6	1.7	2.7	1.4
22	0	0	0	0	0	0	0	6.8	1.5	1.8	2.6	1.4
23	0	0	0	0	0	0	0	8.0	1.4	1.7	2.5	1.4
24	0	0	0	0	0	0	0	8.3	1.2	1.9	2.5	1.3
25	0	0	0	0	0	0	0	7.7	1.2	1.8	2.6	1.3
26	0	0	0	0	0	0	.72	6.9	1.2	1.9	2.7	1.3
27	0	0	0	0	0	0	.95	5.0	1.2	1.8	2.6	1.3
28	0	0	0	0	0	0	.91	3.8	1.2	1.8	2.5	1.2
29	0	0	0	0	---	0	.87	3.2	1.0	1.7	2.6	1.2
30	0	0	0	0	---	0	.95	3.3	.94	1.7	2.5	1.1
31	0	---	0	0	---	0	---	3.2	---	1.7	2.5	---
TOTAL	16.72	0	0	0	0	0	4.40	133.04	65.64	54.01	79.5	50.5
MEAN	.54	0	0	0	0	0	.15	4.29	2.19	1.74	2.56	1.68
AC-FT	33	0	0	0	0	0	8.7	264	130	107	158	100
MAX	.98	0	0	0	0	0	.95	8.4	3.5	2.5	3.2	2.5
MIN	0	0	0	0	0	0	0	.96	.94	.88	1.5	1.1

CAL YR 2005 TOTAL 541 MEAN 1.48 MAX 14 MIN 0 AC-FT 1070
WTR YR 2006 TOTAL 403.81 MEAN 1.11 MAX 8.4 MIN 0 AC-FT 801

MAX DISCH: 16.4 CFS AT 18:45 ON May. 23, 2006 GH 1.14 FT. (1.17 - 0.03 SEC) SHIFT 0.08 FT.
MAX GH: 1.14 FT. (1.17 - 0.03 SEC) AT 18:45 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09121000 TABOR DITCH AT SPRING CREEK PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS, CO

LOCATION.--Treasure Pass diversion ditch diverts water from tributaries of Wolf Creek in San Juan River basin, to tributary of South Fork Rio Grande in sec. 5, T.37 N., R.2 E., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--TREDITCO01 USED FROM 01-OCT-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

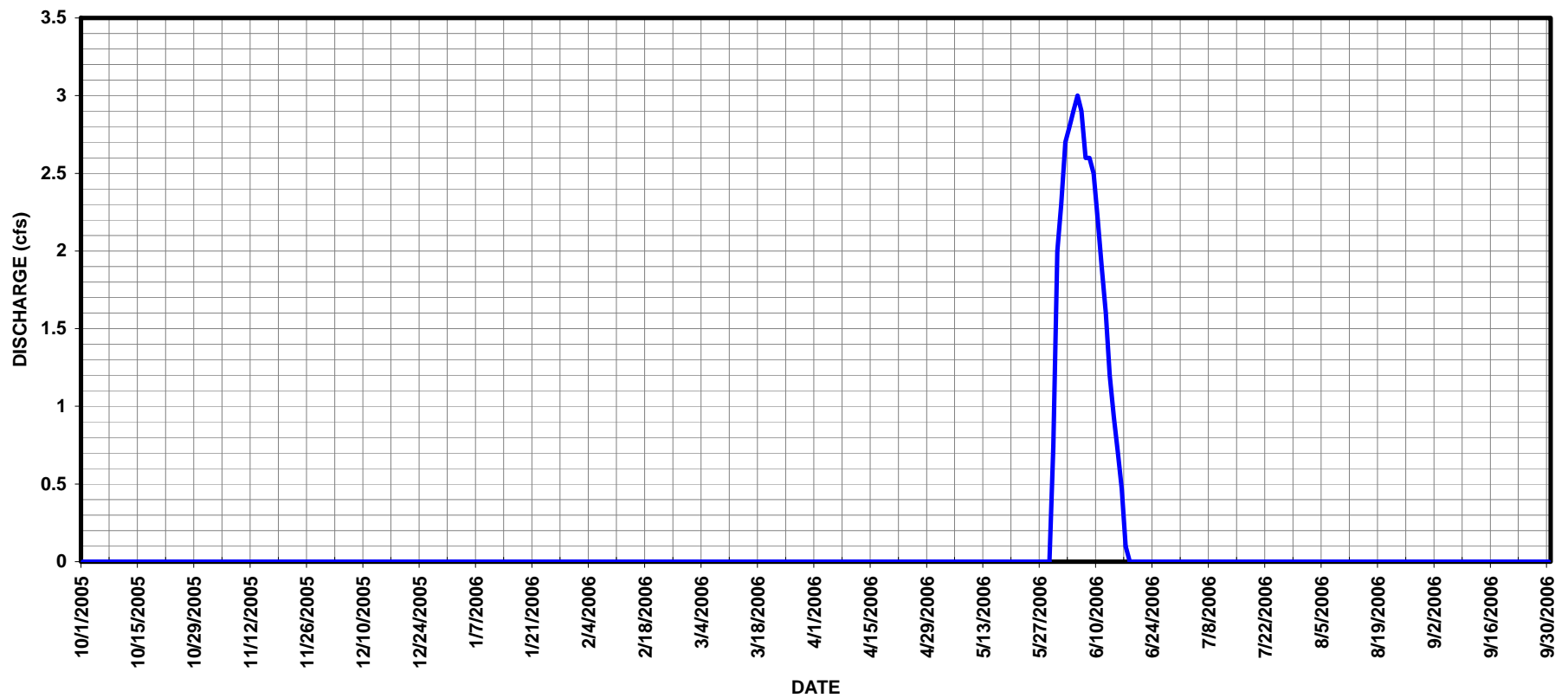
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	2.3	0	0	0
2	0	0	0	0	0	0	0	0	2.7	0	0	0
3	0	0	0	0	0	0	0	0	2.8	0	0	0
4	0	0	0	0	0	0	0	0	2.9	0	0	0
5	0	0	0	0	0	0	0	0	3.0	0	0	0
6	0	0	0	0	0	0	0	0	2.9	0	0	0
7	0	0	0	0	0	0	0	0	2.6	0	0	0
8	0	0	0	0	0	0	0	0	2.6	0	0	0
9	0	0	0	0	0	0	0	0	2.5	0	0	0
10	0	0	0	0	0	0	0	0	2.2	0	0	0
11	0	0	0	0	0	0	0	0	1.9	0	0	0
12	0	0	0	0	0	0	0	0	1.6	0	0	0
13	0	0	0	0	0	0	0	0	1.2	0	0	0
14	0	0	0	0	0	0	0	0	.93	0	0	0
15	0	0	0	0	0	0	0	0	.71	0	0	0
16	0	0	0	0	0	0	0	0	.47	0	0	0
17	0	0	0	0	0	0	0	0	.10	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	.74	0	0	0	0
31	0	---	0	0	---	0	---	2.0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	2.74	33.41	0	0	0
MEAN	0	0	0	0	0	0	0	.088	1.11	0	0	0
AC-FT	0	0	0	0	0	0	0	5.4	66	0	0	0
MAX	0	0	0	0	0	0	0	2.0	3.0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	169.8	MEAN	.47	MAX	8	MIN	0	AC-FT	337
WTR YR	2006	TOTAL	36.15	MEAN	.099	MAX	3	MIN	0	AC-FT	72

MAX DISCH: 3.81 CFS AT 13:00 ON Jun. 8, 2006 GH 0.62 FT. SHIFT 0 FT.
MAX GH: 0.62 FT. AT 13:00 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09341000 TREASURE PASS DITCH AT WOLF CREEK PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at 9 in. Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT1C002 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

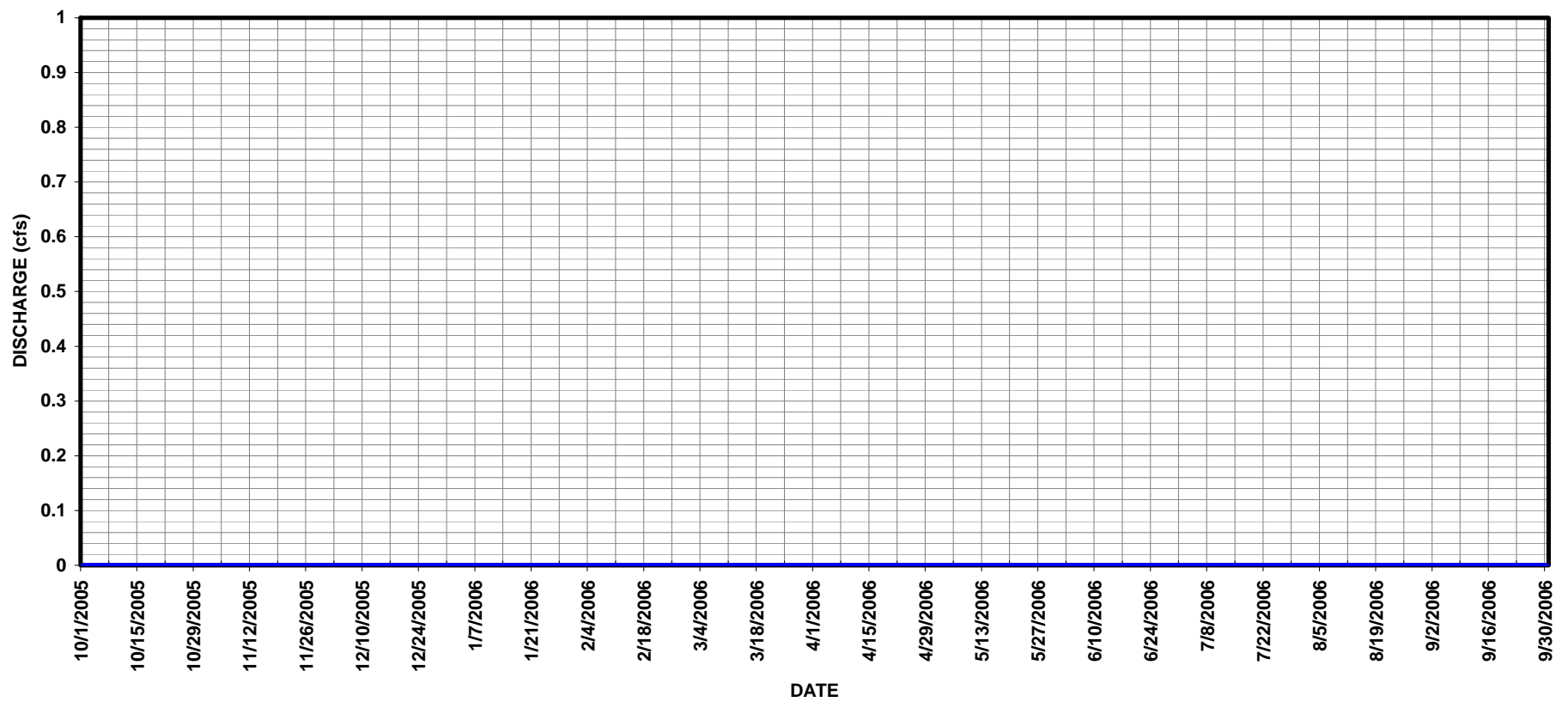
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	6.31	MEAN	.017	MAX	.73	MIN	0	AC-FT	13
WTR YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS
MAX GH: 0 FT.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH NO.1 AT PIEDRA PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS, CO

LOCATION.--SW¼ sec. 33, T.39 N., R.1 W., at Piedra Pass, Co. Diversion is from tributaries of Piedra River in San Juan River Basin to Red Mountain Creek in Rio Grande River Basin.

DRAINAGE AREA.--N/A

GAGE.--Stevens Data logger and satellite monitoring system at 1.5 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DLFDT2C002 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

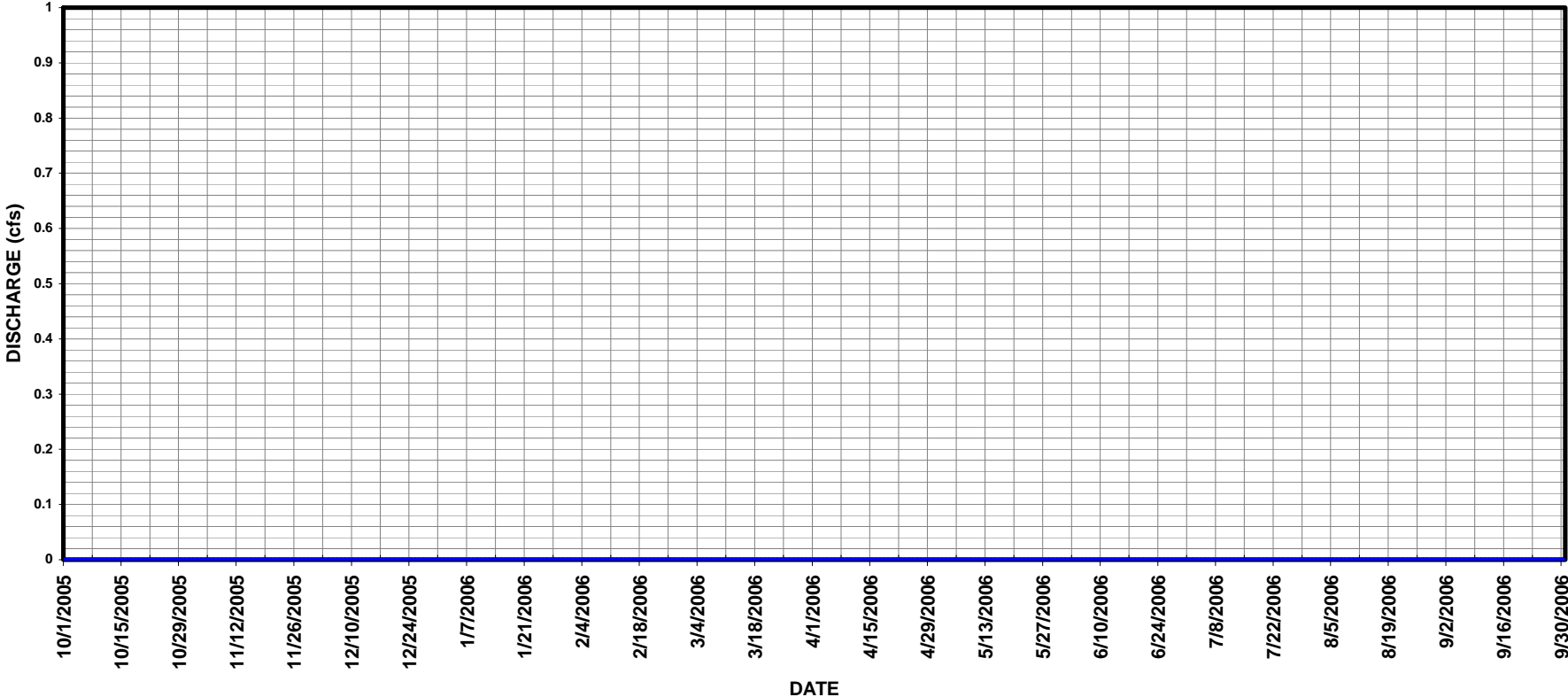
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	20.46	MEAN	.056	MAX	1.7	MIN	0	AC-FT	41
WTR YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS
MAX GH: 0 FT.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH N0.2 AT PIEDRA PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09347000 DON LA FONT DITCH, COMBINED, AT PIEDRA PASS, CO

LOCATION.--Don La Font ditches 1 and 2 divert water from tributaries of Piedra River between headgates in NW¼ sec. 4, T.38 N., R.1 W., and SW¼ sec. 33, T.39 N., R.1 W., and Piedra pass, in San Juan River basin, to Red Mountain Creek in sec. 33, T.39 N., R.1 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorders.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--DON LA FONT DITCH COMBINED (DITCH NO. 1 & 2)

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

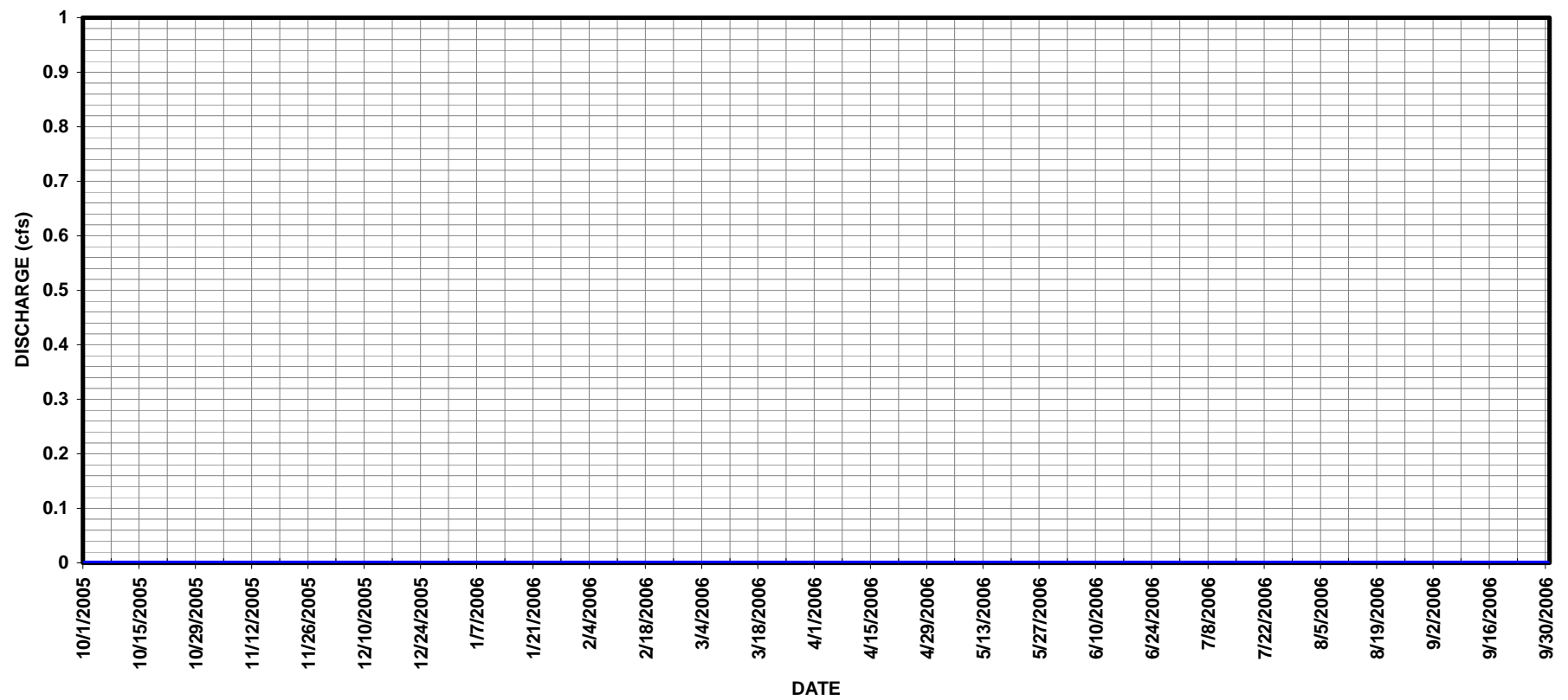
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	---	0	0	0	0	0	0	0
30	0	0	0	0	---	0	0	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	0
MAX	0	0	0	0	0	0	0	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	26.83	MEAN	.074	MAX	2.2	MIN	0	AC-FT	53
WTR YR	2006	TOTAL	0	MEAN	0	MAX	0	MIN	0	AC-FT	0

MAX DISCH: 0 CFS
MAX GH: 0 FT.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09347000 DON LA FONT DITCH (COMBINED) AT PIEDRA PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS, CO

LOCATION.--William's Creek-Squaw Pass ditch diverts water from William's Creek (tributary to Piedra River) in sec. 21, T.39 N., R.3 W., in San Juan River basin, to Squaw Creek in sec. 21, T.39 N., R.3 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Satellite monitored DCP at a 2' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WCSBITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

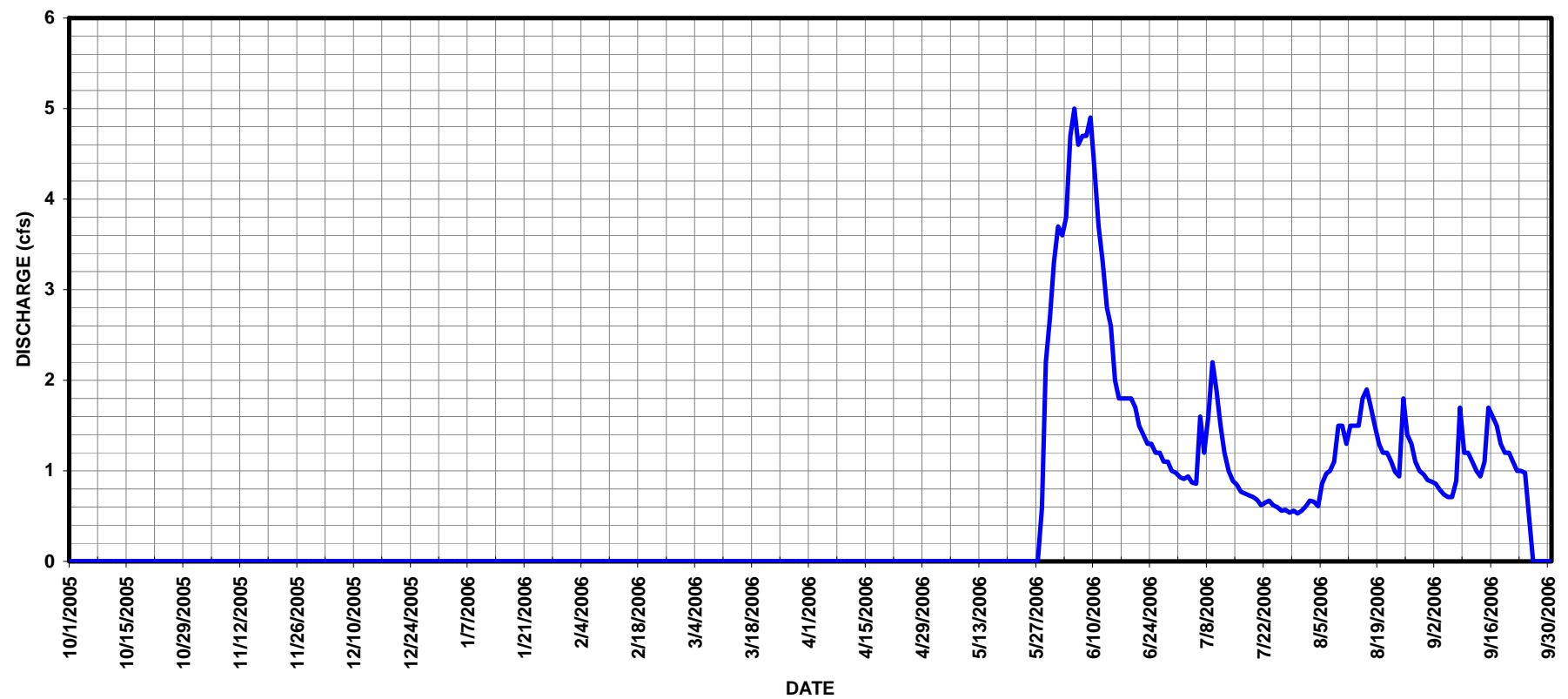
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.7	.93	.61	.88
2	0	0	0	0	0	0	0	0	3.6	.91	.67	.86
3	0	0	0	0	0	0	0	0	3.8	.94	.66	.79
4	0	0	0	0	0	0	0	0	4.7	.87	.61	.74
5	0	0	0	0	0	0	0	0	5.0	.86	.86	.71
6	0	0	0	0	0	0	0	0	4.6	1.6	.97	.71
7	0	0	0	0	0	0	0	0	4.7	1.2	1.0	.89
8	0	0	0	0	0	0	0	0	4.7	1.6	1.1	1.7
9	0	0	0	0	0	0	0	0	4.9	2.2	1.5	1.2
10	0	0	0	0	0	0	0	0	4.3	1.9	1.5	1.2
11	0	0	0	0	0	0	0	0	3.7	1.5	1.3	1.1
12	0	0	0	0	0	0	0	0	3.3	1.2	1.5	1.0
13	0	0	0	0	0	0	0	0	2.8	1.0	1.5	.94
14	0	0	0	0	0	0	0	0	2.6	.89	1.5	1.1
15	0	0	0	0	0	0	0	0	2.0	.85	1.8	1.7
16	0	0	0	0	0	0	0	0	1.8	.77	1.9	1.6
17	0	0	0	0	0	0	0	0	1.8	.75	1.7	1.5
18	0	0	0	0	0	0	0	0	1.8	.73	1.5	1.3
19	0	0	0	0	0	0	0	0	1.8	.71	1.3	1.2
20	0	0	0	0	0	0	0	0	1.7	.68	1.2	1.2
21	0	0	0	0	0	0	0	0	1.5	.62	1.2	1.1
22	0	0	0	0	0	0	0	0	1.4	.65	1.1	1.0
23	0	0	0	0	0	0	0	0	1.3	.67	.99	1.0
24	0	0	0	0	0	0	0	0	1.3	.62	.94	.98
25	0	0	0	0	0	0	0	0	1.2	.60	1.8	.47
26	0	0	0	0	0	0	0	0	1.2	.56	1.4	0
27	0	0	0	0	0	0	0	0	1.1	.57	1.3	0
28	0	0	0	0	0	0	0	.59	1.1	.54	1.1	0
29	0	0	0	0	---	0	0	2.2	1.0	.56	1.0	0
30	0	0	0	0	---	0	0	2.7	.98	.53	.96	0
31	0	---	0	0	---	0	---	3.3	---	.56	.90	---
TOTAL	0	0	0	0	0	0	0	8.79	79.38	28.57	37.37	26.87
MEAN	0	0	0	0	0	0	0	.28	2.65	.92	1.21	.90
AC-FT	0	0	0	0	0	0	0	17	157	57	74	53
MAX	0	0	0	0	0	0	0	3.3	5.0	2.2	1.9	1.7
MIN	0	0	0	0	0	0	0	0	.98	.53	.61	0

CAL YR	2005	TOTAL	318.58	MEAN	0.87	MAX	8.1	MIN	0	AC-FT	632
WTR YR	2006	TOTAL	180.98	MEAN	0.50	MAX	5.0	MIN	0	AC-FT	359

MAX DISCH: 7.15 CFS AT 16:00 ON Jun. 5, 2006 GH 0.84 FT. SHIFT 0.09 FT.
MAX GH: 0.84 FT. AT 16:00 ON Jun. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09348000 WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Pine River-Weminuche Pass ditch diverts water from right bank of north fork of Los Pinos River in sec. 4, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and Sutron Satellite System at 3 ft Parshall flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--PRWDITCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	0	0	0	0	0	0	0	4.9	0	0	2.8
2	3.3	0	0	0	0	0	0	0	4.9	0	0	0
3	3.3	0	0	0	0	0	0	0	4.8	0	0	0
4	0	0	0	0	0	0	0	0	4.8	0	0	0
5	0	0	0	0	0	0	0	0	4.6	0	0	0
6	0	0	0	0	0	0	0	0	5.0	0	0	0
7	0	0	0	0	0	0	0	0	5.3	0	0	0
8	0	0	0	0	0	0	0	0	5.8	0	0	0
9	0	0	0	0	0	0	0	0	6.6	0	0	0
10	0	0	0	0	0	0	0	0	5.3	0	0	0
11	0	0	0	0	0	0	0	0	4.6	0	0	0
12	0	0	0	0	0	0	0	0	3.8	0	0	0
13	0	0	0	0	0	0	0	0	3.2	0	0	0
14	0	0	0	0	0	0	0	0	1.6	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1.8	0	0	0	0
21	0	0	0	0	0	0	0	4.3	0	0	0	1.3
22	0	0	0	0	0	0	0	7.5	0	0	0	3.4
23	0	0	0	0	0	0	0	10	0	0	0	2.8
24	0	0	0	0	0	0	0	10	0	0	0	2.9
25	0	0	0	0	0	0	0	10	0	0	0	2.8
26	0	0	0	0	0	0	0	9.8	0	0	0	2.8
27	0	0	0	0	0	0	0	6.4	0	0	0	2.7
28	0	0	0	0	0	0	0	5.8	0	0	0	2.5
29	0	0	0	0	---	0	0	5.3	0	0	1.7	2.4
30	0	0	0	0	---	0	0	4.9	0	0	6.0	2.3
31	0	---	0	0	---	0	---	4.8	---	0	5.1	---
TOTAL	9.5	0	0	0	0	0	0	80.6	65.2	0	12.8	28.7
MEAN	.31	0	0	0	0	0	0	2.60	2.17	0	.41	.96
AC-FT	19	0	0	0	0	0	0	160	129	0	25	57
MAX	3.3	0	0	0	0	0	0	10	6.6	0	6.0	3.4
MIN	0	0	0	0	0	0	0	0	0	0	0	0

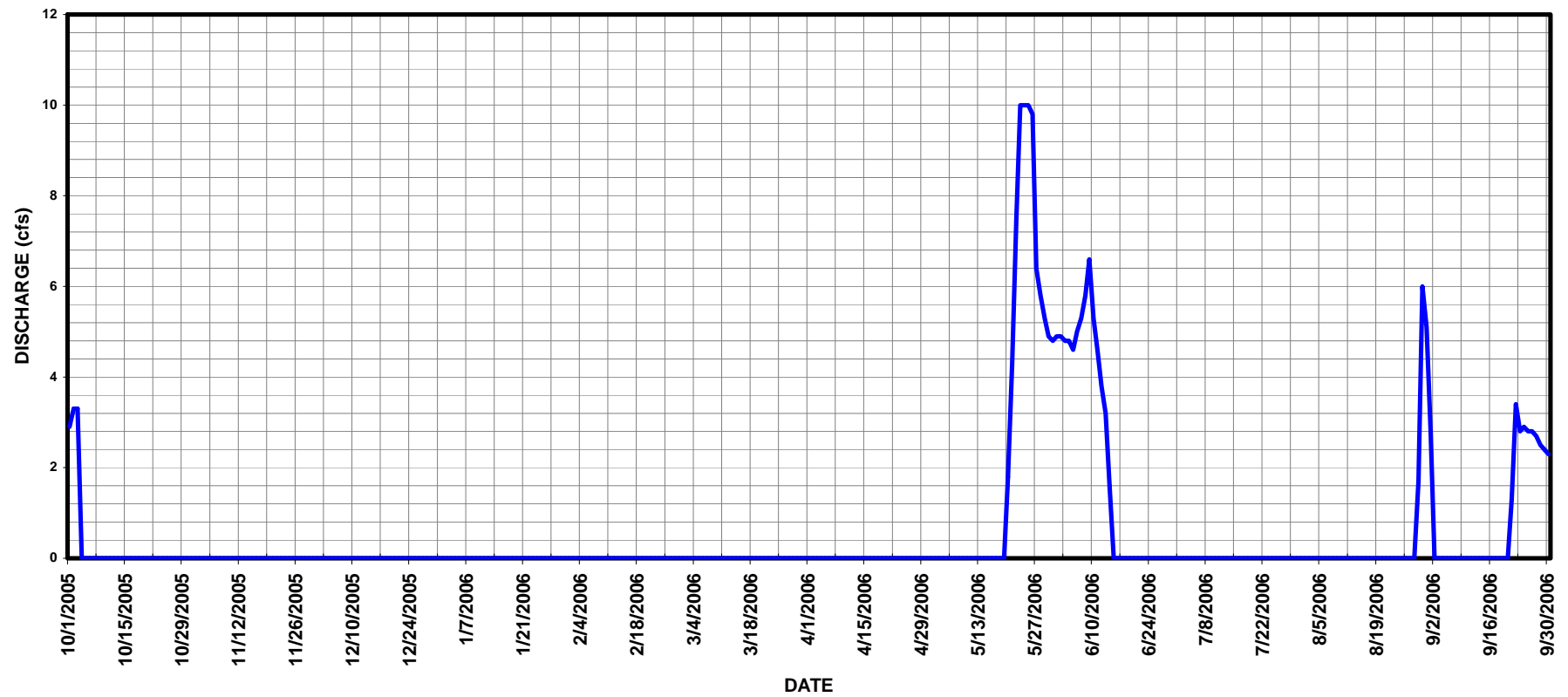
CAL YR	2005	TOTAL	238.9	MEAN	.65	MAX	8.9	MIN	0	AC-FT	474
WTR YR	2006	TOTAL	196.8	MEAN	.54	MAX	10	MIN	0	AC-FT	390

MAX DISCH: 10.5 CFS AT 18:00 ON May. 22, 2006 GH 0.96 FT. SHIFT -0.04 FT.

MAX GH: 0.96 FT. AT 18:00 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09351500 PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2006 HYDROGRAPH



TRANSMOUNTAIN DIVERSION TO

RIO GRANDE BASIN

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS, CO

LOCATION.--Weminuche Pass ditch diverts water from left bank of Rincon la Vaca Creek (tributary to Los Pinos River) in sec. 5, T.39 N., R.4 W., in San Juan River basin, to Weminuche Creek in sec. 33, T.40 N., R.4 W., in Rio Grande basin.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder at a 5' Parshall Flume.

REMARKS.--Record is complete and reliable. Station maintained and record developed by Div. III Hydrographic Staff.

RATING TABLE.--WEMDITCO05 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

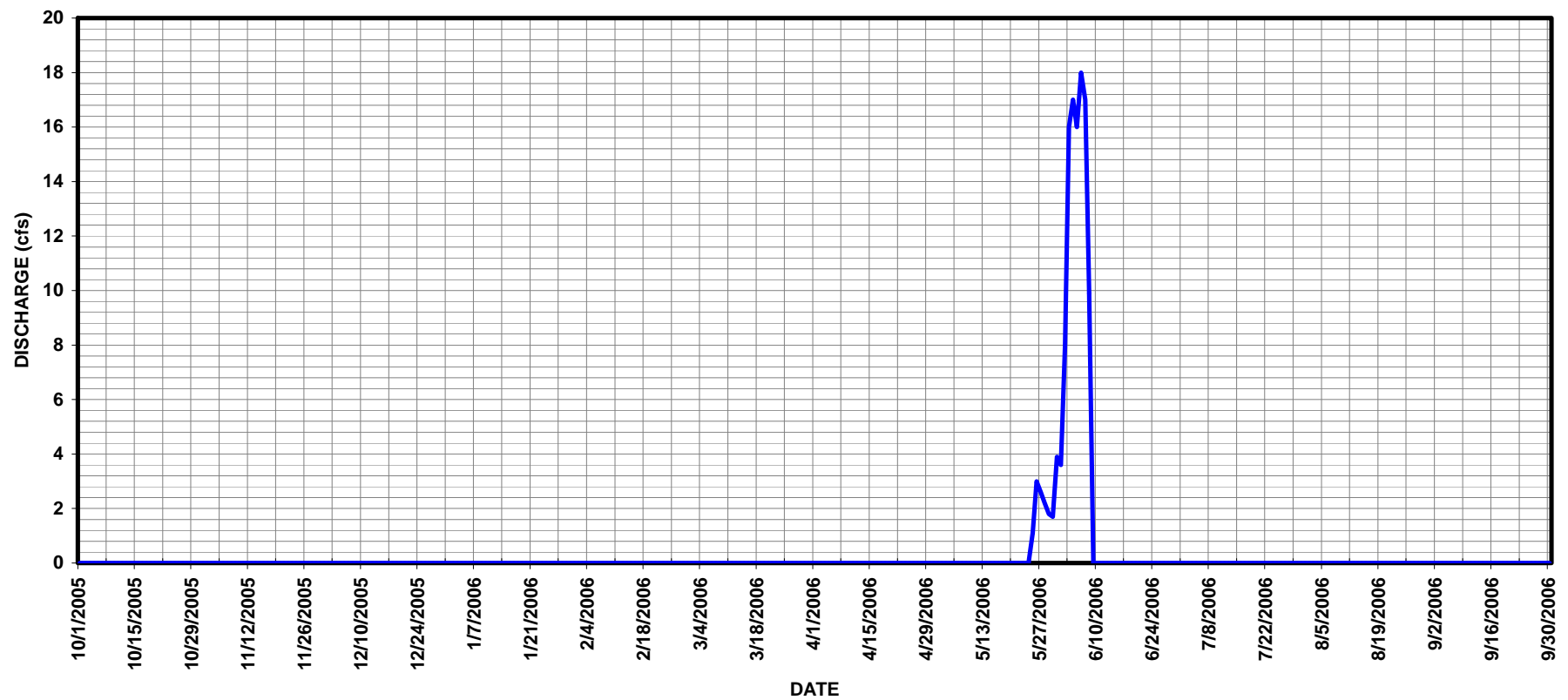
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.6	0	0	0
2	0	0	0	0	0	0	0	0	8.0	0	0	0
3	0	0	0	0	0	0	0	0	16	0	0	0
4	0	0	0	0	0	0	0	0	17	0	0	0
5	0	0	0	0	0	0	0	0	16	0	0	0
6	0	0	0	0	0	0	0	0	18	0	0	0
7	0	0	0	0	0	0	0	0	17	0	0	0
8	0	0	0	0	0	0	0	0	9.9	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1.1	0	0	0	0
26	0	0	0	0	0	0	0	3.0	0	0	0	0
27	0	0	0	0	0	0	0	2.6	0	0	0	0
28	0	0	0	0	0	0	0	2.2	0	0	0	0
29	0	0	0	0	---	0	0	1.8	0	0	0	0
30	0	0	0	0	---	0	0	1.7	0	0	0	0
31	0	---	0	0	---	0	---	3.9	---	0	0	---
TOTAL	0	0	0	0	0	0	0	16.3	105.5	0	0	0
MEAN	0	0	0	0	0	0	0	.53	3.52	0	0	0
AC-FT	0	0	0	0	0	0	0	32	209	0	0	0
MAX	0	0	0	0	0	0	0	3.9	18	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	1364.2	MEAN	3.74	MAX	39	MIN	0	AC-FT	2710
WTR YR	2006	TOTAL	121.8	MEAN	.33	MAX	18	MIN	0	AC-FT	242

MAX DISCH: 19.7 CFS AT 20:00 ON Jun. 5, 2006 GH 1.02 FT. SHIFT -0.03 FT.
MAX GH: 1.02 FT. AT 20:00 ON Jun. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09351500 WEMINUCHE PASS DITCH AT WEMINUCHE PASS CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR

LOCATION.--Lat 38°59'15", long 107°20'53", in the NE¼SE¼NW¼ sec 28, T.12 S., R.89 W. in Gunnison County on the right bank 700 ft. downstream from county bridge and 1400 ft. upstream from high water line of Paonia Reservoir.

GAGE.--Satellite equipment (high data rate Sutron 8210 DCP and shaft encoder) and strip chart recorder (Stevens A35) in a culvert type shelter. The recorder and shaft encoder operate from floats and are set to an inside drop tape. A Sutron Accububble has operated since Nov 4, 2002 with a new gravel pack installed at the bank. A common float is used with an oil cylinder during the winter.

REMARKS.--The record is complete. Shaft encoder data were used from Oct 1, 2005 through Nov 30, 2005 and Feb 18, 2006 to the end of the water year. Ice was removed from the stilling well was on Feb 17, 2006 and an oil cylinder was installed. The Accububble data was used from Dec 1, 2005 through Feb 17, 2006 when the stilling well was frozen. The record is reliable and good, except for the periods when the stage-discharge relationship was affected by ice, the discharge exceeded 400 cfs, and when floats were frozen in the well. The ice period was from Nov 28, 2005 through Dec. 31, 2005; Jan 1-30, 2006; Feb. 3, 4, and 6-27, 2006. These ice estimated days are poor. The days when the Accububble was used for gage height, but were not ice days, were Jan 31; Feb. 1, 2, and 5, 2006. These are rated fair. High water flows were Apr 10 - May 28, 2006. These should be considered poor. Temperature data were used for the lowest temperature days, and were obtained from the DCP. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDAPRC007 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

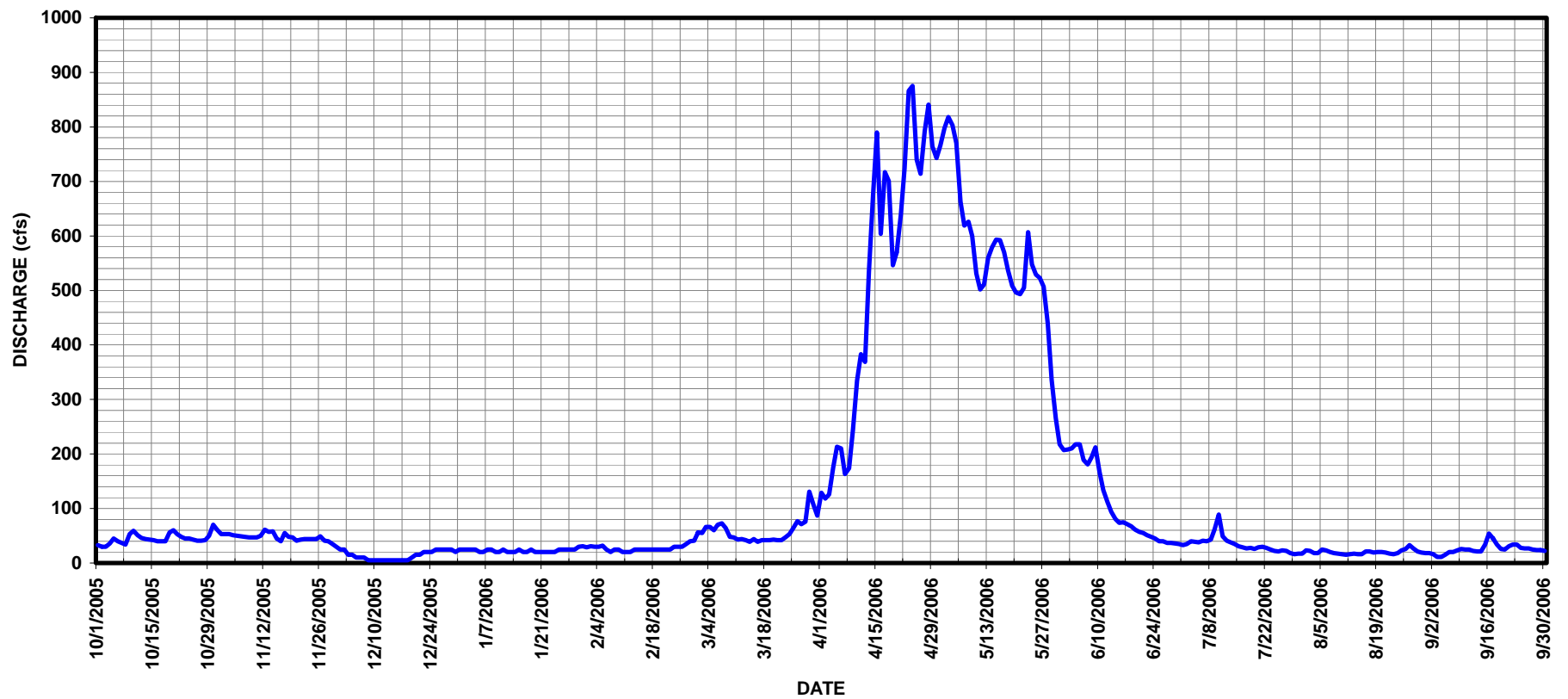
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	53	25	25	29	56	129	766	207	33	23	18
2	30	53	25	25	31	55	118	798	208	35	22	16
3	30	53	15	25	30	66	126	818	210	40	18	11
4	36	51	15	25	30	66	176	803	218	39	18	11
5	45	50	10	20	32	60	213	770	218	38	25	15
6	40	49	10	20	25	70	210	663	189	41	23	20
7	37	48	10	25	20	73	163	619	181	40	20	20
8	34	47	5.0	25	25	64	174	626	194	43	18	23
9	53	47	5.0	20	25	48	244	600	212	62	17	26
10	59	47	5.0	20	20	47	335	531	167	89	16	25
11	51	50	5.0	25	20	43	383	502	134	49	15	25
12	46	61	5.0	20	20	44	369	511	112	41	16	22
13	44	57	5.0	20	25	42	534	560	94	38	17	21
14	43	58	5.0	20	25	39	675	579	81	35	16	21
15	42	45	5.0	25	25	44	790	593	74	31	16	34
16	40	40	5.0	20	25	39	604	592	75	29	21	54
17	40	55	5.0	20	25	42	717	570	71	27	21	45
18	40	48	5.0	25	25	42	701	537	67	28	19	34
19	56	47	10	20	25	42	546	509	61	26	20	26
20	60	41	15	20	25	43	570	496	57	29	20	25
21	53	43	15	20	25	42	639	493	55	30	19	31
22	48	44	20	20	25	42	724	505	51	28	17	34
23	45	44	20	20	30	47	866	607	48	25	16	34
24	45	44	20	20	30	53	875	548	45	22	18	28
25	43	44	25	25	30	64	740	529	40	21	23	27
26	41	49	25	25	35	77	714	523	40	23	26	27
27	41	41	25	25	40	71	792	507	37	22	33	25
28	42	40	25	25	41	76	841	439	37	18	27	24
29	50	35	25	25	---	131	764	336	36	16	21	24
30	70	30	20	30	---	107	743	266	35	17	19	22
31	61	---	25	31	---	87	---	218	---	17	18	---
TOTAL	1398	1414	435.0	711	763	1822	15475	17414	3254	1032	618	768
MEAN	45.1	47.1	14.0	22.9	27.2	58.8	516	562	108	33.3	19.9	25.6
AC-FT	2770	2800	863	1410	1510	3610	30690	34540	6450	2050	1230	1520
MAX	70	61	25	31	41	131	875	818	218	89	33	54
MIN	30	30	5.0	20	20	39	118	218	35	16	15	11

CAL YR	2005	TOTAL	85122	MEAN	233	MAX	1980	MIN	5	AC-FT	168800
WTR YR	2006	TOTAL	45104	MEAN	124	MAX	875	MIN	5	AC-FT	89460

MAX DISCH: 1130 CFS AT 22:15 ON Apr. 23, 2006 GH 7.8 FT. SHIFT 0.37 FT.
MAX GH: 7.8 FT. AT 22:15 ON Apr. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09131490 MUDDY CREEK ABOVE PAONIA RESERVOIR CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR

LOCATION.--Lat 38°56'26", long 107°21'24" in the SE¼NW¼NE¼ sec. 8, T.13 S., R. 89 W. (in Gunnison County on the right hand bank), and about 100 feet above county bridge and about 1100 feet below Paonia Reservoir outlet.

GAGE.--Shaft encoder and high data rate satellite DCP (Sutron SatLink) and strip chart recorder (Stevens A 35) in a culvert type shelter. The recorder and shaft encoder are on separate floats and set to an inside drop tape. The DCP is in an outside NEMA box. The DCP electronic data log is the primary record.

REMARKS.--The primary record is the electronic data from the Sutron SatLink electronic data logger (EDL). Data from the chart record were used to fill in 5 hours of missing DCP data on Feb. 17, 2006, without loss of accuracy. The record is complete, good and reliable, except when the stage / discharge relationship was affected by ice on December 8, 9, 15, 16, 2005, which should be considered poor. Station maintained by Steven W. Tuck and Gerald M. Thrush and record developed by Gerald M. Thrush.

RATING TABLE.--MUDBPRCO09A USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

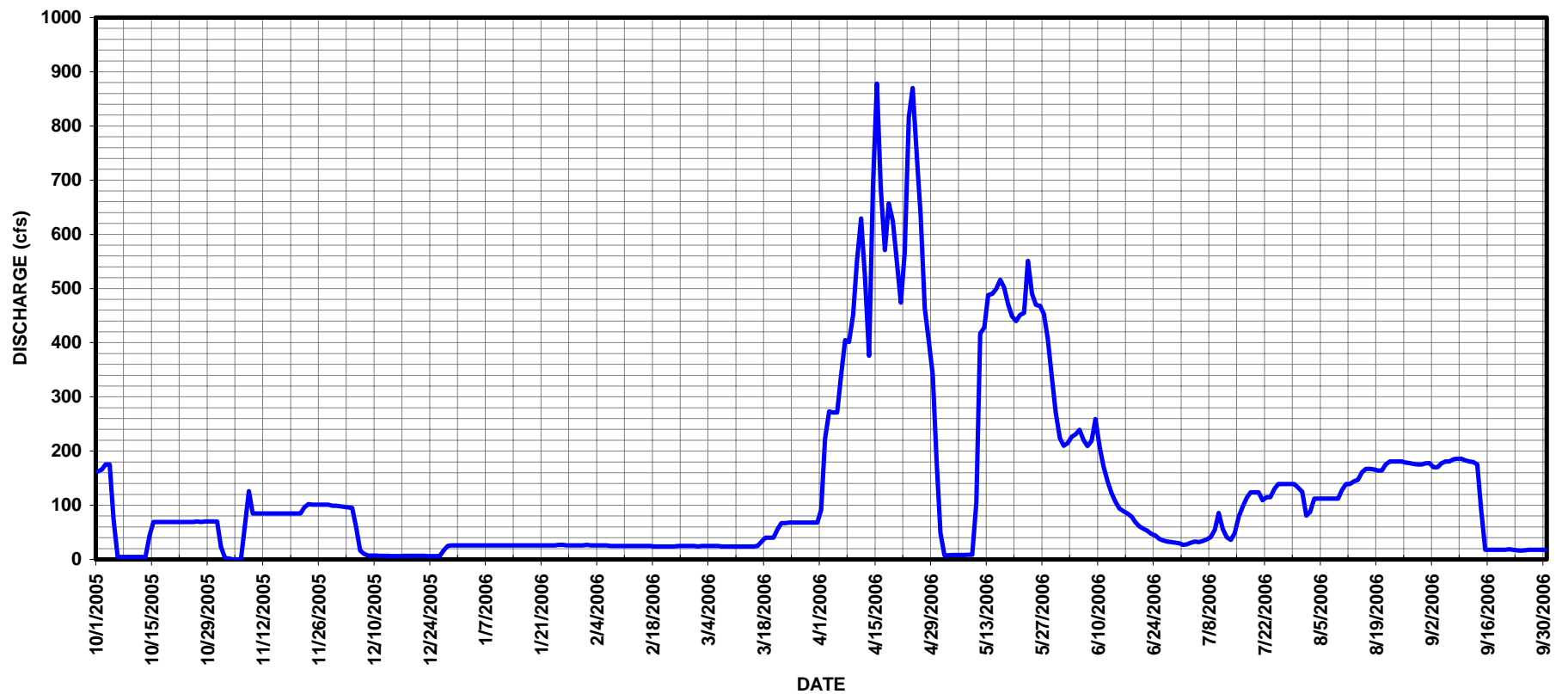
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	23	98	26	27	24	92	49	210	27	81	178
2	166	2.4	97	26	26	25	223	7.5	215	28	88	170
3	175	1.6	96	26	26	25	273	7.8	226	31	112	170
4	175	.23	95	26	26	25	271	8.0	231	33	112	177
5	74	.09	58	26	26	25	271	8.2	239	32	112	181
6	4.7	.01	16	26	26	25	338	8.3	220	34	112	181
7	4.7	60	10	26	25	24	405	8.2	209	37	112	185
8	4.8	126	7.0e	26	25	24	401	8.8	219	41	112	186
9	4.7	85	7.0e	26	25	24	451	8.5	259	55	112	186
10	4.7	85	7.0	26	25	24	551	105	208	86	128	183
11	4.7	85	6.7	26	25	24	629	417	172	56	139	181
12	4.7	85	6.7	26	25	24	522	428	144	41	139	180
13	4.8	85	6.7	26	25	24	376	488	123	36	144	175
14	44	85	6.3	26	25	24	687	490	106	48	147	92
15	69	85	6.0e	26	25	24	878	499	94	79	161	18
16	69	85	6.0e	26	25	25	685	516	89	97	167	18
17	69	85	6.8	26	25	33	571	502	85	114	167	18
18	69	85	6.7	26	24	40	657	471	79	124	166	18
19	69	85	6.7	26	24	40	624	449	69	124	164	18
20	69	85	6.7	26	24	40	552	440	61	124	164	18
21	69	85	6.7	26	24	56	474	451	57	109	175	19
22	69	96	6.5	26	24	67	566	455	53	115	181	18
23	69	102	6.2	26	24	67	816	551	47	115	181	17
24	69	101	6.2	26	25	68	870	490	44	130	181	16
25	69	101	6.2	27	25	68	745	470	38	139	181	17
26	70	101	6.2	27	25	68	635	468	35	139	179	18
27	69	101	16	26	25	68	463	453	33	139	178	18
28	70	101	25	26	25	68	406	408	32	139	176	18
29	70	99	26	26	---	68	341	336	31	139	175	18
30	70	99	26	26	---	68	182	271	30	132	175	18
31	70	---	26	26	---	68	---	224	---	125	177	---
TOTAL	2011.8	2219.33	713.3	808	701	1277	14955	9496.3	3658	2668	4598	2710
MEAN	64.9	74.0	23.0	26.1	25.0	41.2	499	306	122	86.1	148	90.3
AC-FT	3990	4400	1410	1600	1390	2530	29660	18840	7260	5290	9120	5380
MAX	175	126	98	27	27	68	878	551	259	139	181	186
MIN	4.7	.01	6.0	26	24	24	92	7.5	30	27	81	16

CAL YR	2005	TOTAL	79943.03	MEAN	219	MAX	1110	MIN	0.01	AC-FT	158600
WTR YR	2006	TOTAL	45815.73	MEAN	126	MAX	878	MIN	0.01	AC-FT	90880

MAX DISCH: 994 CFS AT 09:00 ON Oct. 5, 2005 GH 6.40 FT. SHIFT 0 FT.
MAX GH: 6.40 FT. AT 09:00 ON Oct. 5, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09131500 MUDDY CREEK BELOW PAONIA RESERVOIR CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

ABC LATERAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'06", long 107°44'57", in SE¼NE¼ sec. 27, T.49 N., R.8 W., Montrose County, on left bank of canal 270 ft. below takeout from South Canal, such takeout being 1700 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Sutron 8210 HDR data collection platform with shaft encoder and strip chart recorder (Stevens A35) in a 48 in. diameter CMP shelter and stilling well. The recorder and shaft encoder operate from floats and are set to an inside drop tape.

REMARKS.--Record is complete, good, and reliable. The operating period of the canal was from Oct. 01, 2005 to Oct. 28, 2005 and from Mar. 27, 2006 through Sep. 30, 2006. The intervening period, from Oct. 29, 2005 through Mar. 26, 2006 consisted of seepage from the Gunnison Tunnel. This winter shut down period is a normal operational occurrence. This year there were nine occurrences of increased flow during winter shutdown period. These were periods when the Gunnison Tunnel was turned on to fill Fairview Reservoir and the AB Lateral head gate was left open. The increased flows were seen Nov. 14-15; Dec. 5-6, 19-20, 2005; Jan. 3-4, 16-17, 30-31; Feb. 13-14, 27-28; and Mar. 13-14, 2006. There were 16 days of zero flow during the winter period, Oct. 29-Nov. 6; Dec. 22-23, 2005; Feb. 1 and Mar. 25-26, 2006. The AB and C Drop aka the AB Lateral Canal is part of the Gunnison Tunnel complex. The South Canal is the other part. The two structures are combined to account for the total diversion through the Gunnison Tunnel. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--ABCLATCO01

USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

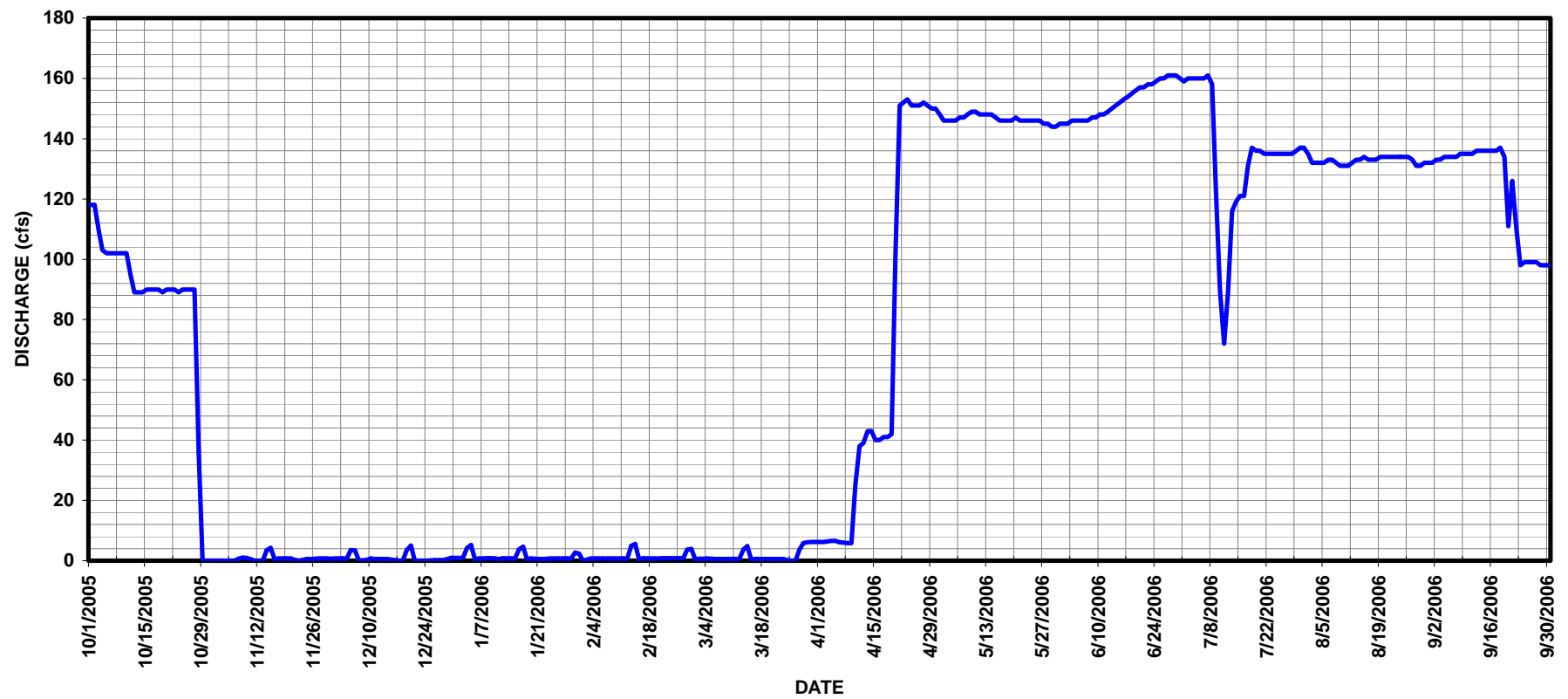
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	0	.70	.92	0	.38	6.2	148	145	159	135	132
2	118	0	.70	.92	.38	.69	6.2	146	145	160	132	133
3	110	0	.70	4.2	.70	.69	6.4	146	146	160	132	133
4	103	0	.70	5.2	.70	.70	6.6	146	146	160	132	134
5	102	0	3.5	.49	.70	.66	6.6	146	146	160	132	134
6	102	0	3.4	.72	.70	.51	6.1	147	146	160	133	134
7	102	.63	.08	.75	.70	.54	6.0	147	146	161	133	134
8	102	1.0	.06	.81	.70	.56	5.8	148	147	158	132	135
9	102	.97	.29	.81	.70	.56	5.8	149	147	122	131	135
10	102	.42	.70	.75	.70	.56	25	149	148	90	131	135
11	95	0	.57	.56	.70	.56	38	148	148	72	131	135
12	89	0	.56	.80	.70	.56	39	148	149	89	132	136
13	89	0	.56	.70	4.9	3.7	43	148	150	116	133	136
14	89	3.4	.51	.70	5.6	4.8	43	148	151	119	133	136
15	90	4.3	.37	.70	.41	.36	40	147	152	121	134	136
16	90	.48	.16	3.7	.83	.54	40	146	153	121	133	136
17	90	.75	0	4.6	.70	.56	41	146	154	131	133	136
18	90	.70	0	.46	.70	.56	41	146	155	137	133	137
19	89	.70	3.5	.70	.70	.56	42	146	156	136	134	134
20	90	.70	5.0	.67	.76	.56	102	147	157	136	134	111
21	90	.27	.02	.60	.81	.56	151	146	157	135	134	126
22	90	0	0	.60	.81	.56	152	146	158	135	134	110
23	89	.27	0	.68	.81	.56	153	146	158	135	134	98
24	90	.56	0	.70	.81	.21	151	146	159	135	134	99
25	90	.56	.09	.70	.81	0	151	146	160	135	134	99
26	90	.62	.14	.70	.81	0	151	146	160	135	134	99
27	90	.70	.14	.70	3.7	3.6	152	145	161	135	133	99
28	36	.70	.14	.70	3.9	5.8	151	145	161	135	131	98
29	0	.70	.44	.70	---	6.1	150	144	161	136	131	98
30	0	.69	.92	2.7	---	6.2	150	144	160	137	132	98
31	0	---	.92	2.3	---	6.2	---	145	---	137	132	---
TOTAL	2627	19.12	24.87	40.24	34.44	48.40	2061.7	4541	4582	4158	4116	3696
MEAN	84.7	.64	.80	1.30	1.23	1.56	68.7	146	153	134	133	123
AC-FT	5210	38	49	80	68	96	4090	9010	9090	8250	8160	7330
MAX	118	4.3	5.0	5.2	5.6	6.2	153	149	161	161	135	137
MIN	0	0	0	.46	0	0	5.8	144	145	72	131	98

CAL YR	2005	TOTAL	24849.46	MEAN	68.1	MAX	156	MIN	0	AC-FT	49290
WTR YR	2006	TOTAL	25948.77	MEAN	71.1	MAX	161	MIN	0	AC-FT	51470

MAX DISCH: 186 CFS AT 16:30 ON Jul. 8, 2006 GH 3.68 FT. SHIFT -0.09 FT.
MAX GH: 3.68 FT. AT 16:30 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ABC LATERAL NEAR MONTROSE CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

SOUTH CANAL NEAR MONTROSE, CO

LOCATION.--Lat 38°29'01", long 107°45'20", in NE¼SW¼NE¼ sec 27, T.49 N., R.8 W., Montrose County, on right bank of canal approximately 3600 ft. below the west portal of the Gunnison Tunnel.

GAGE.--Graphic water-stage recorder and shaft encoder. The shaft encoder is connected by cable to a satellite-monitored data collection platform (Sutron 8210 DCP) located at the AB Lateral gage. The recorder and shaft encoder operate from a common float and are set to an inside drop tape. An SDI-12 shaft encoder and SDI-12 radio bridge were installed on Jan. 11, 2006. The A-35 chart recorder and shaft recorder were separated from a common float and a new float was installed on the shaft recorder on Feb. 14, 2006.

REMARKS.--Record is complete and reliable except for the following periods: Oct. 28-31; Nov. 1-7, 2005; Mar. 25, 26, 2006, when the intake was isolated, (flow was estimated by bank observations); Dec. 9-31, 2005; Jan. 1-11, 2006, when the buried cable failed, chart record was used during this period; Jan. 16-23, 2006, when the new SDI-12 shaft encoder malfunctioned, chart record was used during this period; Jan. 11, 12, 16-18, 20, 22, 24, 26, 27, 29; Feb. 4, 7, 10-13, 15-20, 23, 24; Mar. 3, 5-11, 22, 31; Apr. 3, 8, 9, 2006, when there were one or two 15-minute values that were not transmitted by the radio bridge, resulting in a 0.00 gage height being recorded by the DCP, chart record was used to verify gage height values; and, Jul. 11, 12, 2006, when the shaft encoder float or tape was hung up, chart record was used during this period. Record good, except during periods when the intake was isolated, which is poor. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--SOUCANCO15 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

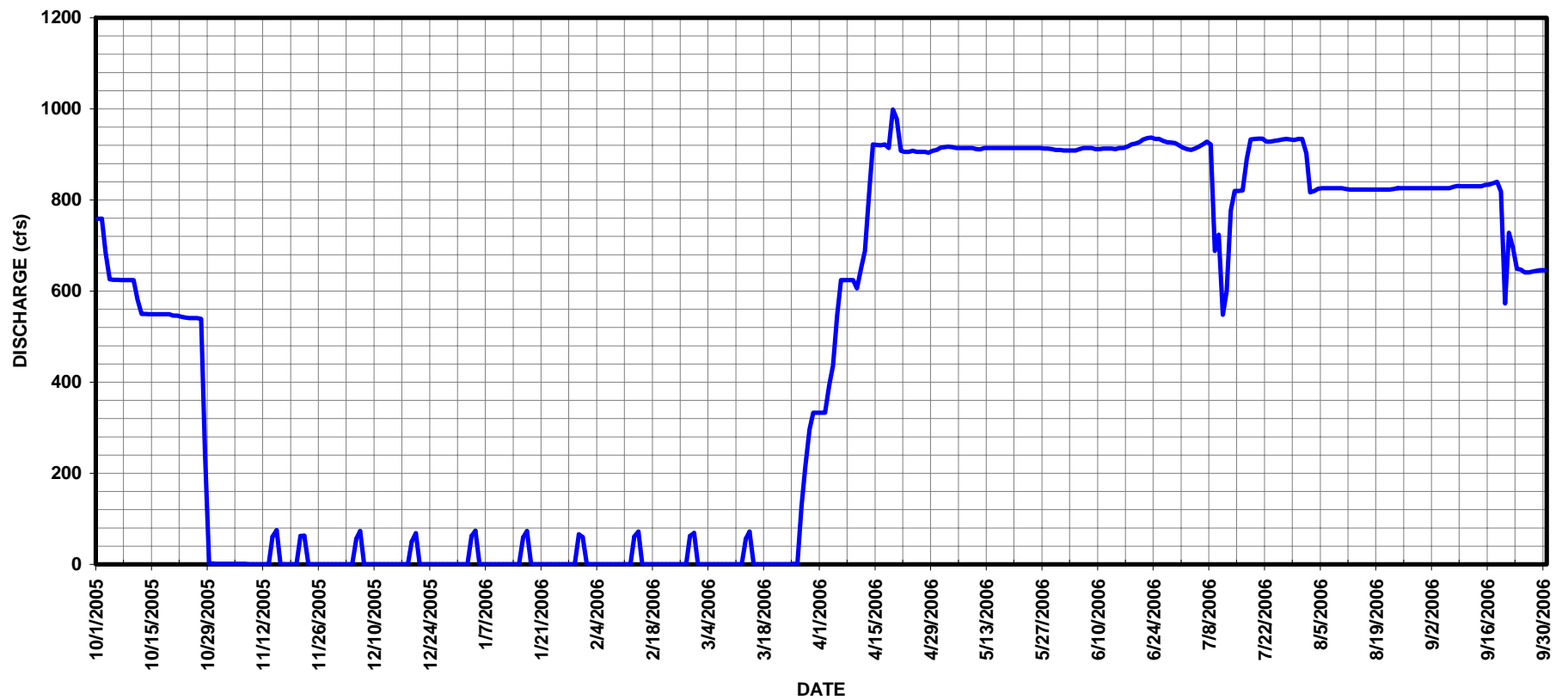
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	759	1.5	0	0	0	0	333	915	909	915	903	826
2	759	1.5	0	0	0	0	333	916	909	912	817	826
3	685	1.5	0	62	0	0	393	917	909	910	820	826
4	626	1.5	0	74	0	0	437	916	909	913	825	826
5	625	1.0	56	0	0	0	547	914	912	917	826	826
6	625	1.0	73	0	0	0	624	914	914	922	826	826
7	624	1.0	0	0	0	0	624	914	914	928	826	829
8	624	0	0	0	0	0	624	914	914	922	826	831
9	624	0	0	0	0	0	624	914	912	688	826	830
10	624	0	0	0	0	0	606	912	912	724	826	830
11	582	0	0	0	0	0	650	911	913	548	824	830
12	550	0	0	0	0	0	688	914	913	600	823	830
13	550	0	0	0	61	56	813	914	913	777	823	830
14	549	61	0	0	72	72	922	914	912	820	823	830
15	549	75	0	0	0	0	921	914	914	820	823	833
16	549	0	0	59	0	0	920	914	914	821	823	834
17	549	0	0	73	0	0	922	914	917	890	823	837
18	549	0	0	0	0	0	914	914	922	933	823	840
19	549	0	50	0	0	0	999	914	924	934	823	819
20	546	0	68	0	0	0	978	914	927	935	823	573
21	546	62	0	0	0	0	908	914	933	935	823	728
22	544	63	0	0	0	0	906	914	936	928	823	694
23	542	0	0	0	0	0	906	914	937	928	824	649
24	541	0	0	0	0	0	908	914	934	930	826	647
25	541	0	0	0	0	1.5	906	914	934	931	826	641
26	541	0	0	0	0	1.5	906	914	930	933	826	641
27	539	0	0	0	62	128	906	913	927	934	826	643
28	244	0	0	0	69	216	904	913	926	933	826	645
29	2.0	0	0	0	---	296	908	912	925	932	826	646
30	2.0	0	0	66	---	333	910	910	920	934	826	646
31	1.5	---	0	60	---	333	---	910	---	934	826	---
TOTAL	16140.5	270.0	247	394	264	1437.0	22940	28325	27585	27081	25630	22912
MEAN	521	9.00	7.97	12.7	9.43	46.4	765	914	920	874	827	764
AC-FT	32010	536	490	781	524	2850	45500	56180	54710	53720	50840	45450
MAX	759	75	73	74	72	333	999	917	937	935	903	840
MIN	1.5	0	0	0	0	0	333	910	909	548	817	573

CAL YR	2005	TOTAL	159059.5	MEAN	436	MAX	892	MIN	0	AC-FT	315500
WTR YR	2006	TOTAL	173225.5	MEAN	475	MAX	999	MIN	0	AC-FT	343600

MAX DISCH: 1420 CFS AT 16:45 ON Jul. 8, 2006 GH 4.60 FT. SHIFT -0.07 FT.
MAX GH: 4.60 FT. AT 16:45 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

SOUTH CANAL NEAR MONTROSE CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

UNCOMPAHGRE RIVER NEAR OLATHE, CO

LOCATION.--Lat 38°36'5", long 107°58'58", SW¼SW¼ of NW¼ sec. 15, T.50 N., R. 10W, NMPM, and about 3,100 ft. above the S. H. 348 bridge and about 5,100 ft below the East Canal headgate and diversion structure, both stream distance. The gage is on the right bank and in Montrose County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with satellite telemetry (Sutron SatLink2 DCP and SDI-12 shaft encoder) in a 48-inch diameter CMP shelter and stilling well. The DCP is the primary record with Electronic Data Logger as backup. The recorder and SE are set to an inside drop tape.

REMARKS.--The primary record is the electronic data from the DCP. The record is complete, reliable and fair, except when the floats in the stilling well were frozen: December 12-14 and 16-19, 2005, and when ice in the channel affected the stage-discharge relationship: December 5-11, 15, 2005; January 21-25, February 11, 12, 2006. These periods were estimated and are considered poor. The record is rated good from April 28, 2006 to the end of the water year. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--UNCOLACO08A USED FROM 01-OCT-2005 TO 30-SEP-2006

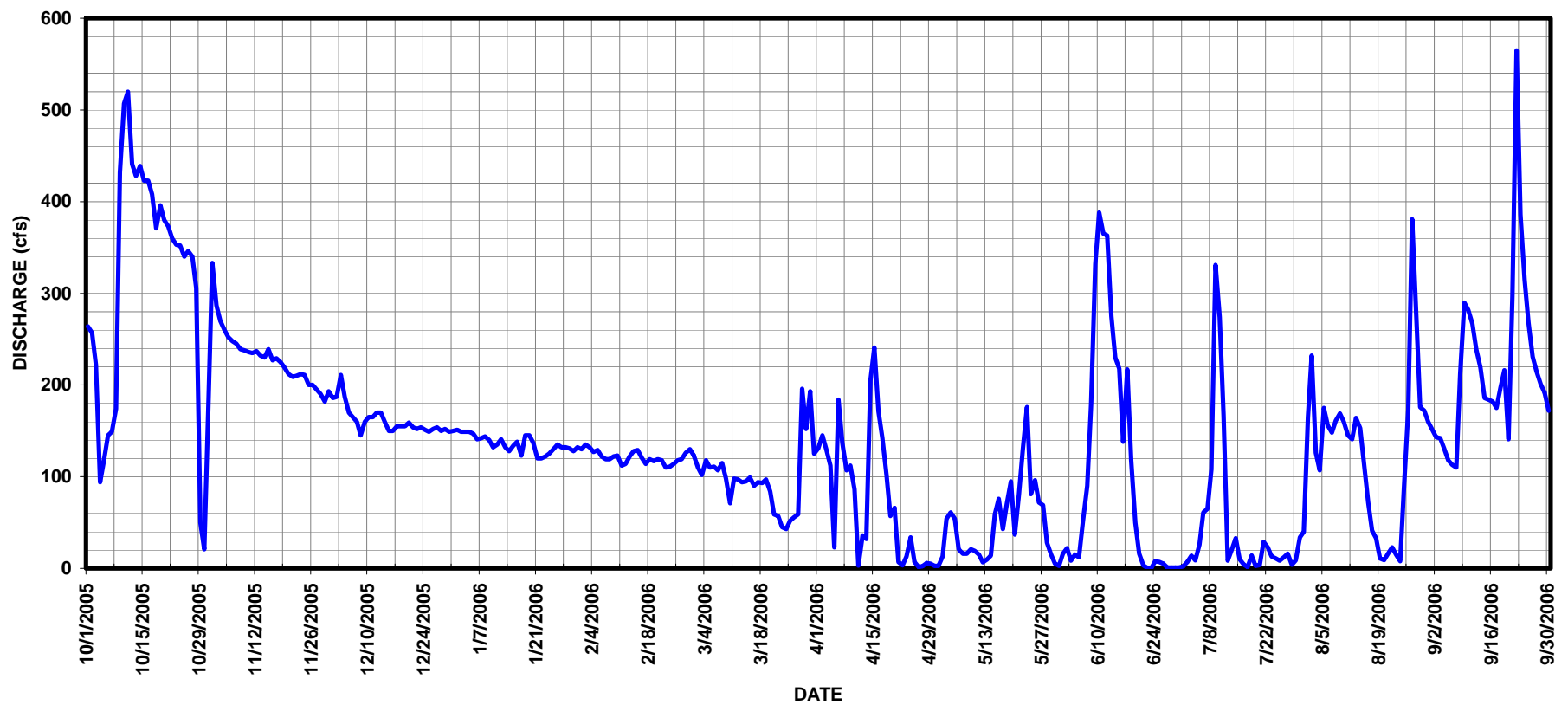
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	333	186	151	130	123	131	2.7	16	2.3	165	151
2	257	287	187	149	135	110	145	13	22	6.9	232	143
3	222	270	211	149	132	102	130	54	8.6	14	126	142
4	94	260	187	149	127	118	112	61	15	8.8	107	131
5	117	252	170	147	129	110	23	54	12	26	175	118
6	145	248	165	141	122	111	184	21	53	61	156	113
7	149	245	160	142	119	107	137	16	90	65	148	110
8	174	239	145	144	119	115	107	16	180	108	161	212
9	432	238	160	140	122	98	112	21	332	331	169	290
10	507	236	165	132	123	71	86	19	388	274	160	282
11	520	235	165	135	112	98	2.9	15	365	167	145	267
12	441	237	170	141	114	97	36	6.8	363	8.6	141	239
13	428	232	170	132	122	94	32	9.8	275	20	164	219
14	439	230	160	128	128	95	205	14	230	33	153	186
15	423	239	150	134	129	99	241	59	218	10	114	184
16	423	227	150	138	121	90	171	76	138	4.2	72	182
17	408	229	155	123	114	94	142	43	217	1.6	41	175
18	371	225	155	145	119	93	102	70	118	14	33	197
19	396	219	155	145	117	97	57	95	50	2.6	11	216
20	380	212	159	137	119	84	66	37	16	3.6	9.1	141
21	373	209	154	120	118	59	7.0	81	3.3	29	16	297
22	360	210	152	120	110	57	3.2	130	.68	23	23	565
23	353	212	154	122	111	45	13	176	.68	13	15	386
24	352	211	151	125	114	43	34	81	7.8	11	7.9	315
25	340	200	149	130	118	52	7.1	96	7.1	8.5	90	268
26	346	200	152	135	119	56	1.4	72	5.2	12	173	231
27	340	195	154	132	126	59	2.4	69	.91	16	381	215
28	306	190	150	132	130	196	5.6	28	.83	3.9	276	201
29	50	182	152	131	---	152	5.1	15	.89	8.8	176	192
30	21	193	149	128	---	193	2.7	5.0	.88	34	172	172
31	179	---	150	132	---	125	---	2.8	---	40	160	---
TOTAL	9610	6895	4992	4209	3399	3043	2303.4	1459.1	3134.87	1360.8	3972.0	6540
MEAN	310	230	161	136	121	98.2	76.8	47.1	104	43.9	128	218
AC-FT	19060	13680	9900	8350	6740	6040	4570	2890	6220	2700	7880	12970
MAX	520	333	211	151	135	196	241	176	388	331	381	565
MIN	21	182	145	120	110	43	1.4	2.7	.68	1.6	7.9	110
CAL YR 2005	TOTAL	58024.1	MEAN	159	MAX	520	MIN	6.7	AC-FT	115100		
WTR YR 2006	TOTAL	50918.17	MEAN	140	MAX	565	MIN	.68	AC-FT	101000		

MAX DISCH: 890 CFS AT 17:55 ON Sep. 22, 2006 GH 4.79 FT. SHIFT -0.2 FT.
MAX GH: 4.79 FT. AT 17:55 ON Sep. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

UNCOMPAHGRE RIVER NEAR OLATHE CO
WY2006 HYDROGRAPH



GUNNISON RIVER BASIN

REDLANDS CANAL NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°01'49", long 108°33'51", in NW¼SW¼NW¼ Sec 35, T1S, R1W, Mesa County, on the right bank of canal 650 ft. below the Redlands diversion dam until Oct. 25, 2004. Beginning Apr. 1, 2005, Lat 39°02'52.93", long 108°34'33.16", in the NE¼ NW¼NE¼ Sec 27, T1S, R1W on the right bank just downstream of and attached to an old bridge.

GAGE.--Satellite (Sutron 8210 DCP) Acoustic Doppler Velocity Meter (ADVM) on a temporary cooperative agreement / study with the USGS (Narrow Band Son Tech) and a Sutron AccuBubble set to an outside staff gage till March 23, 2006 when the Son Tech ADVM was removed and a new Teledyne RD Instruments 600 KHz, broad band Channel Master ADVM was installed but not set up to operate.

On Apr. 19, 2006, the 8210 was removed and replaced with: a Sutron SatLink Logger 2 and a Sutron AccuBubble set to an outside staff gage both controlled by a Sutron 9210 DCP with Modbus capabilities. A direct line of sight radio installed and operated in cooperation with the US BOR to help control the operation of the head gate. A new Sutron SatLink Logger 2, a separate unit, was installed to act as the GOES radio transmitter. It was connected to the 9210 via a serial cable and communication ports. It has a log chip and is capable of logging data. The data logging and control / communication is normally done by the 9210. The Channel Master was connected to the 9210 DCP and tested for SDI-12 communication.

On April 20, 2006 the velocity index was constructed and loaded into the Channel Master. It then became capable of calculating total flow from a coefficient multiplied by the two beam velocity and vertical beam stage / area. The workspace file (configuration file) incorporated the survey conducted by the US Bureau of Reclamation on March 24, 2006, which allows for the area component of discharge. The same Sutron AccuBubble continued to operate as a back up and cross check.

REMARKS.--Record is a mosaic taken from a combination of gage height derived from the AccuBubble from the beginning of WY 2006 till the direct discharge computed internally by the Channel Master.

The bubbler data are good and reliable from Oct 1, 2005 to Apr. 19, 2006 when the 9210 was installed. The canal shut down October 17-26, 2005 for routine fall maintenance. Then it shut down again October 27-29, 2005 for some sort of problem. April 19 and 20, 2006 are partial days due to equipment installation and set up. Missing hours were filled from adjacent values and several observations during the installation process. The bubbler data were used through April 29, 2006 because of problems decoding the Channel Master data. The period from May 20, 2006 through June 14, 2006 utilized the gage height from the bubbler because the Sutron 9210 had to be returned to the factory to replace the analog board. The period from August 23-28, 2006, again, saw the bubbler used because capturing the internal loop recorder from the Channel Master caused it to not operate properly.

Power Estimated portions of record started on April 30, 2006 because the battery went down and there was no back up gage height from the AccuBubble. This block lasted through May 19, 2006 when the SatLink Logger was set up to log the AccuBubble data. The next block of estimated record was from June 15-26, 2006 when the 9210 was re installed and there was a problem with the SDI-12 communication with the Channel Master which, also, blocked the SDI-12 communication with the AccuBubble. The power generated was compared to the beginning and end over lapping values and a few partial days during the estimated period.

The direct computed flow started on June 27, 2006 and continued till August 22, 2006 when another problem with the set up occurred. The last block of direct flow data was from August 29, 2006 till the end of Water Year 2006. These are all good to excellent values except for several days when there were inordinately high values seen. These were all associated with river spikes. The specific conductance at the White Water gage was compared and that didn't seem to have the same correlation. In other words, the higher conductivity in and of its self doesn't always correlate with the spurious values. The higher conductivity values and the instrument malfunctions were both associated with rain spikes. There may be some sort of material in the runoff. I suspect the adobe clay because of an observation of beige colored water during one of these episodes. The remaining values which were considered good were averaged and used for the mean for that day. The inordinate high values occurred on July 9-11, 21, 22; August 1, 2, 5, 6 and September 10, 2006.

The record is rated poor when there is only gage height data available. This gage height / poor record starts on October 1, 2005 and runs to April 29, 2006. It was also used for the period from May 20, 2006 through June 14, 2006, and again used for the period from August 23, 2006 through August 28, 2006.

The record is rated poor for two periods that were estimated using power generation records. These were from April 30, 2006 through May 19, 2006 and from June 15, 2006 through June 26, 2006.

The record is rated good for two periods when flow is computed by the ADVM *in situ* except for 10 days when there were partial malfunctions. The first period of direct computed flow started on June 27, 2006 and continued till August 22, 2006. The second period of direct computed flow was from August 29, 2006 through September 30, 2006. The ADVM malfunctions occurred on July 9-11, 21, 22; August 1, 2, 5, 6 and September 10, 2006. These are rated fair.

Station maintained and record developed by Gerald M. Thrush.

REDLANDS CANAL NEAR GRAND JUNCTION CO

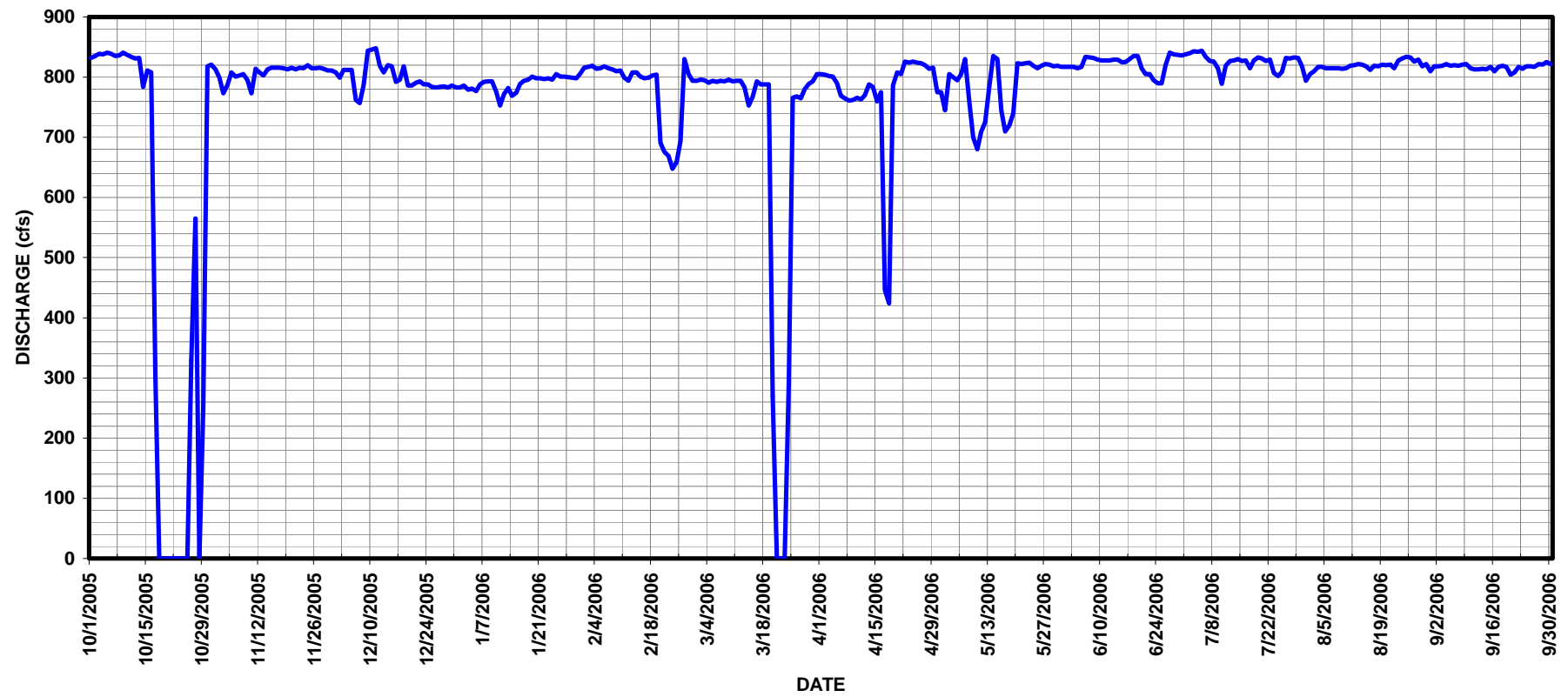
RATING TABLE.--RLCGRJCO07 USED FROM 01-Oct-2005 TO 30-SEP-2006
STCONVERT USED FROM 20-Apr-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		832	813	808	783	816	794	805	775e	817	838	805	818
2		835	799	799	786	817	796	804	745e	817	840	810	818
3		839	773	812	779	819	795	802	805e	817	843	817	819
4		838	787	812	781	814	791	801	800e	815	842	817	822
5		841	808	812	777	815	794	790	795e	817	844	815	819
6		839	801	762	788	818	792	769	805e	834	834	815	820
7		835	803	757	792	815	794	765	830e	833	827	815	819
8		836	805	787	793	813	793	761	760e	832	826	815	821
9		841	795	844	793	810	796	762	700e	829	815	814	822
10		837	773	846	776	811	793	766	680e	828	789	815	815
11		834	814	848	753	799	794	763	710e	828	819	819	813
12		831	808	819	772	794	794	770	725e	828	827	820	813
13		832	803	808	782	808	783	788	785e	829	828	822	814
14		784	813	820	769	808	753	784	835e	829	830	821	813
15		811	816	818	774	801	767	760	830e	825e	827	818	817
16		808	816	792	789	798	793	775	745e	825e	828	812	810
17		304	816	796	794	799	788	446	710e	830e	815	819	817
18		0	815	818	796	803	788	424	720e	835e	828	818	819
19		0	813	786	801	804	788	786	740e	835e	833	821	817
20		0	816	786	798	691	270	808	823	815e	831	820	804
21		0	813	791	798	676	0	805	822	805e	827	821	808
22		0	816	793	797	669	0	826	823	805e	829	815	817
23		0	815	788	798	648	0	824	824	795e	807	828	814
24		0	820	788	796	659	294	826	819	790e	802	831	818
25		0	815	784	805	694	766	824	815	790e	809	834	818
26		329	815	783	801	830	768	823	819	820e	832	833	817
27		565	816	784	801	805	765	820	822	841	831	826	822
28		0	814	785	800	794	780	814	821	838	833	829	821
29		251	811	783	799	---	789	816	818	837	832	818	825
30		818	811	786	798	---	793	775e	819	836	818	822	822
31		821	---	783	806	---	805	---	817	---	794	810	---
TOTAL	16361	24233	24778	24475	21828	21016	23082	24337	24675	25578	25395	24512	
MEAN	528	808	799	790	780	678	769	785	823	825	819	817	
AC-FT	32450	48070	49150	48550	43300	41690	45780	48270	48940	50730	50370	48620	
MAX	841	820	848	806	830	805	826	835	841	844	834	825	
MIN	0	773	757	753	648	0	424	680	790	789	805	804	
CAL YR	2005	TOTAL	216356	MEAN	593	MAX	884	MIN	0	AC-FT	429100		
WTR YR	2006	TOTAL	280270	MEAN	768	MAX	844	MIN	0	AC-FT	555900		

MAX DISCH: 929 CFS AT 20:00 ON Jul. 9, 2006 GH 7.59 FT. SHIFT -0.11 FT.
MAX GH: 7.59 FT. AT 20:00 ON Jul. 9, 2006 e - Estimated.

REDLANDS CANAL NEAR GRAND JUNCTION CO
WY2006 HYDROGRAPH



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GUNNISON RIVER BASIN

GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION, CO

LOCATION.--Lat 39°02'17", long 108°34'13", in SW¼SW¼ sec 26, T.1 S., R.1 W., Mesa County, on the right bank of the Gunnison River just up stream of the Department of Energy Compound, about 1.6 miles above the mouth and the Colorado River, and about 0.78 miles below the Redlands Canal Diversion Dam.

GAGE.--Sutron SatLink Logger high data rate DCP controlling a Sutron accububble in a 48-inch diameter CMP shelter on a concrete pad. There is no back up strip chart. There is an outside cantilever gage.

REMARKS.--The primary record is the electronic data from the Sutron SatLink Logger. This record proves to be complete and reliable. The record is rated good, except during periods when the stage-discharge relationship was affected by ice, Dec. 6-19, 2005, which is rated poor. Station maintained and record developed by Gerald M. Thrush.

RATING TABLE.--GUNREDCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

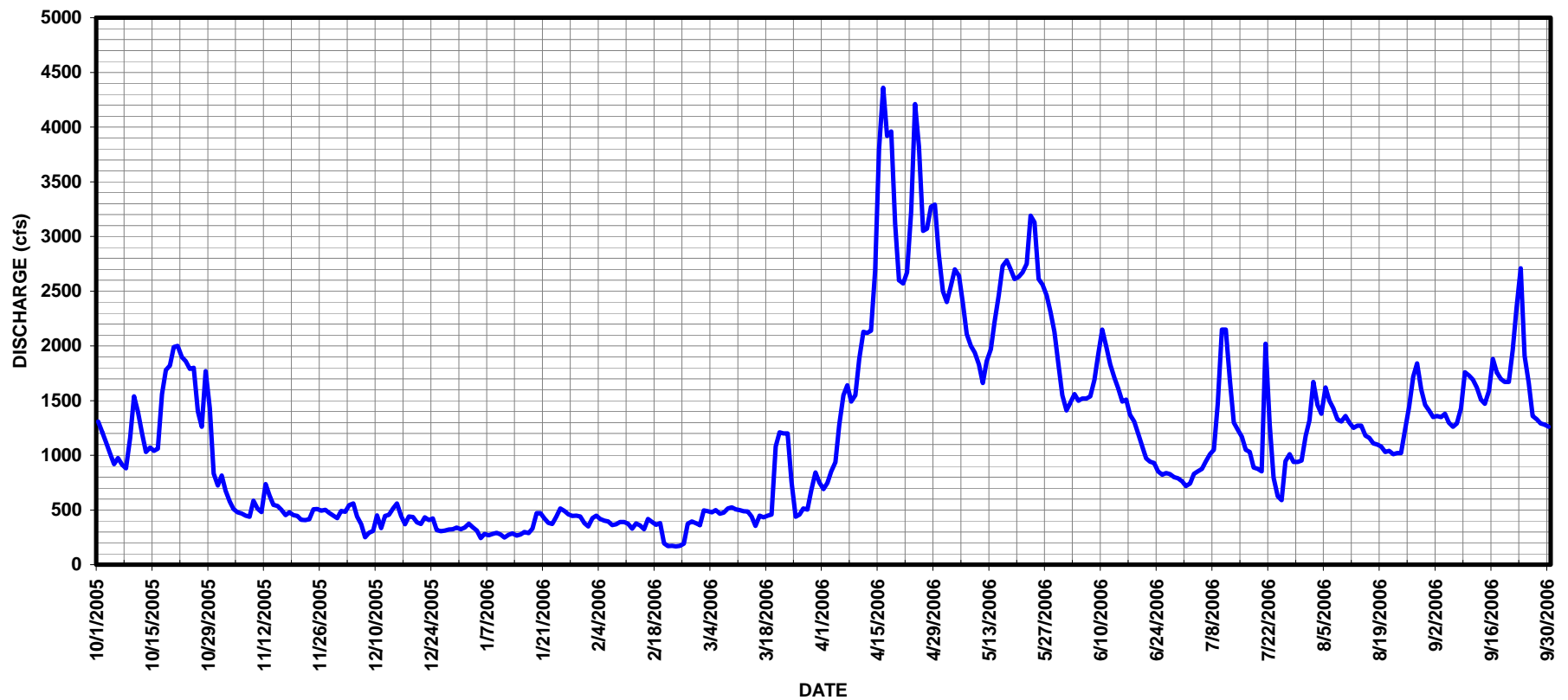
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1310	815	490	338	349	363	691	2500	1410	720	1320	1350
2	1210	676	484	375	425	495	746	2400	1480	743	1670	1360
3	1120	577	544	343	447	489	852	2550	1560	831	1460	1350
4	1020	510	560	311	417	479	936	2700	1500	852	1380	1380
5	920	479	440	242	402	500	1280	2640	1520	875	1620	1300
6	974	469	370	281	394	467	1550	2390	1520	945	1500	1260
7	913	449	250	269	363	477	1640	2110	1540	1010	1430	1290
8	882	438	290	281	370	513	1490	2000	1690	1050	1330	1430
9	1160	585	310	290	389	523	1550	1940	1930	1470	1310	1760
10	1540	512	450	275	390	506	1880	1830	2150	2150	1360	1730
11	1400	480	335	249	375	498	2130	1660	1990	2150	1300	1690
12	1200	736	445	273	329	488	2120	1860	1830	1680	1250	1620
13	1030	632	455	287	376	487	2140	1970	1710	1300	1270	1510
14	1070	547	515	267	360	441	2690	2220	1610	1230	1270	1470
15	1040	536	560	275	324	355	3800	2460	1490	1170	1180	1590
16	1060	501	445	300	418	449	4360	2730	1510	1050	1160	1880
17	1560	454	370	289	391	433	3920	2780	1370	1030	1110	1760
18	1780	478	440	330	365	447	3960	2700	1310	889	1100	1700
19	1820	454	435	472	380	457	3120	2610	1200	877	1080	1670
20	1990	445	387	471	196	1080	2600	2630	1080	852	1030	1670
21	2000	411	372	421	169	1210	2570	2670	973	2020	1040	1960
22	1900	408	434	383	172	1200	2670	2750	941	1280	1010	2350
23	1860	416	408	373	168	1200	3230	3190	929	796	1020	2710
24	1790	506	423	441	173	759	4210	3130	854	625	1020	1910
25	1800	509	316	515	192	439	3820	2610	823	589	1240	1660
26	1400	493	307	490	374	458	3050	2560	838	948	1440	1360
27	1260	501	311	461	394	513	3070	2460	827	1010	1720	1330
28	1770	474	322	446	379	504	3270	2310	801	940	1840	1290
29	1430	447	324	448	---	682	3290	2130	791	940	1600	1280
30	833	425	339	441	---	842	2840	1830	762	953	1460	1260
31	724	---	325	381	---	752	---	1550	---	1180	1410	---
TOTAL	41766	15363	12456	11018	9481	18506	75475	73870	39939	34155	40930	47880
MEAN	1347	512	402	355	339	597	2516	2383	1331	1102	1320	1596
AC-FT	82840	30470	24710	21850	18810	36710	149700	146500	79220	67750	81180	94970
MAX	2000	815	560	515	447	1210	4360	3190	2150	2150	1840	2710
MIN	724	408	250	242	168	355	691	1550	762	589	1010	1260
CAL YR 2005	TOTAL	716319	MEAN	1963	MAX	9930	MIN	250	AC-FT	1421000		
WTR YR 2006	TOTAL	420839	MEAN	1153	MAX	4360	MIN	168	AC-FT	834700		

MAX DISCH: 4870 CFS AT 03:45 ON Apr. 16, 2006 GH 5.84 FT. SHIFT -0.2 FT.
MAX GH: 5.84 FT. AT 03:45 ON Apr. 16, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

**GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION CO
WY2006 HYDROGRAPH**



BLUE RIVER BASIN

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE, CO

LOCATION.--Lat 39°32'29", long 106°02'40", in SE¼SW¼ sec. 7, T.6 S., R.77 W., Hydrologic Unit 14010004, Summit County, on right bank 25 ft. above Highway 9 Bridge, 3 1/2 miles north of Breckenridge and 2 1/4 miles south of Dillon Reservoir(Blue River Arm).

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder and satellite telemetry system (Sutron HDR 8210 DCP and shaft encoder) in exposed aggregate building. Well inside building has two intake pipes with flush risers outside. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. AC power was installed in station in 2004. Control is rock and cobble riffle(low flows) and 8' culverts(high flows).

REMARKS.--Record is complete and reliable, except for the period from May 20 to June 29, 2006, when the intake pipes were partially or fully clogged. Graphic recorder was used June 30 to July 5, 2006. Upstream transmountain diversions occur through the Continental-Hoosier Tunnel and Boreas Pass Ditch. Record is good, except for periods of intake pipe clogging and control backwater, when record is fair. Station maintained by Scott Hummer and George Wear. Record developed by James Kellogg.

RATING TABLE.--BLUNINCO08 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

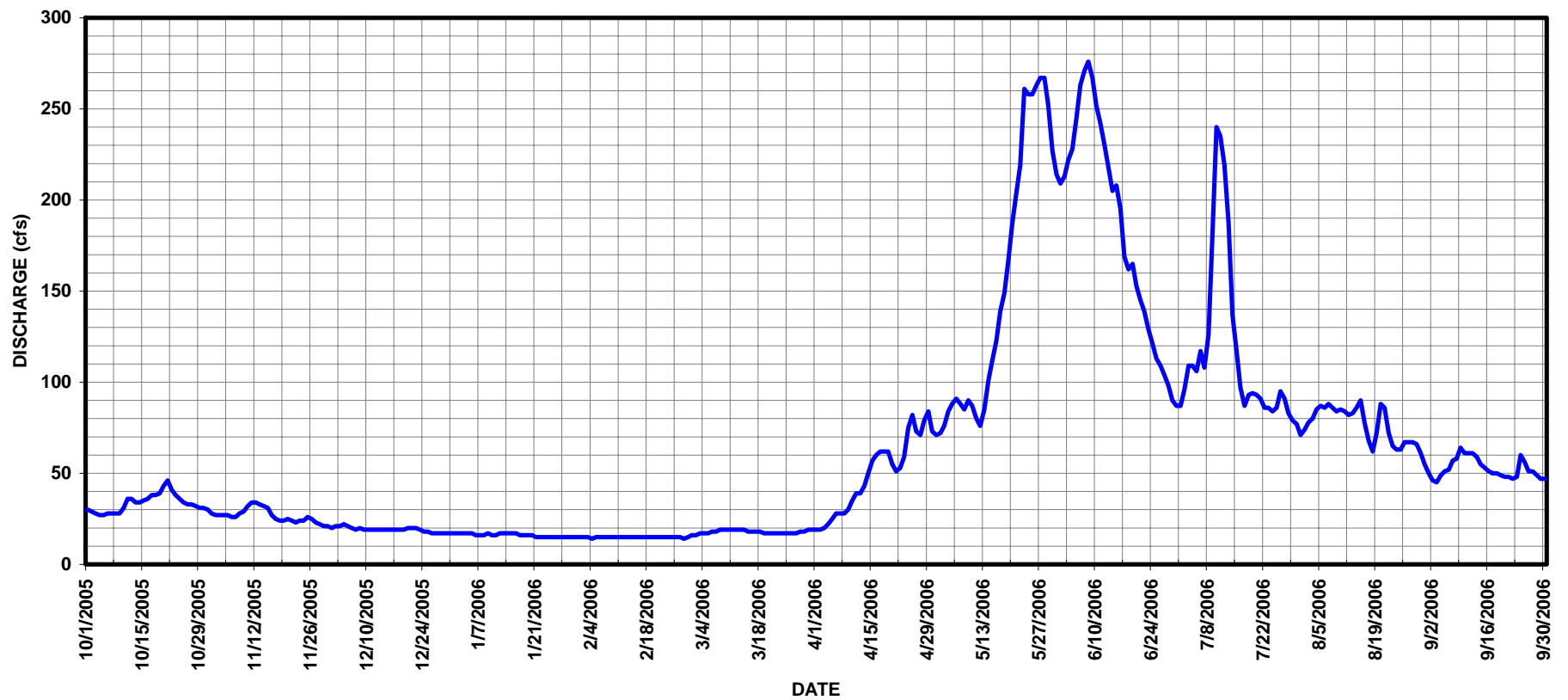
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	28	20	17	15	16	19	71	209	87	74	50
2	29	27	21	17	15	16	19	72	213	96	78	46
3	28	27	21	17	15	17	20	76	222	109	80	45
4	27	27	22	17	14	17	22	84	228	109	85	49
5	27	27	21	17	15	17	25	88	244	106	87	51
6	28	26	20	16	15	18	28	91	263	117	86	52
7	28	26	19	16	15	18	28	88	271	108	88	57
8	28	28	20	16	15	19	28	85	276	126	86	58
9	28	29	19	17	15	19	30	90	267	180	84	64
10	31	32	19	16	15	19	35	87	252	240	85	61
11	36	34	19	16	15	19	39	80	242	235	84	61
12	36	34	19	17	15	19	39	76	230	219	82	61
13	34	33	19	17	15	19	43	85	218	187	83	59
14	34	32	19	17	15	19	50	101	205	137	86	55
15	35	31	19	17	15	18	57	112	208	117	90	53
16	36	27	19	17	15	18	60	123	195	97	78	51
17	38	25	19	16	15	18	62	139	169	87	68	50
18	38	24	19	16	15	18	62	149	162	93	62	50
19	39	24	19	16	15	17	62	167	165	94	72	49
20	43	25	20	16	15	17	55	187	153	93	88	48
21	46	24	20	15	15	17	51	204	145	91	86	48
22	41	23	20	15	15	17	53	219	139	86	72	47
23	38	24	19	15	15	17	59	261	129	86	65	48
24	36	24	18	15	15	17	75	258	121	84	63	60
25	34	26	18	15	15	17	82	258	113	86	63	56
26	33	25	17	15	15	17	73	263	109	95	67	51
27	33	23	17	15	14	17	71	267	104	91	67	51
28	32	22	17	15	15	18	79	267	98	83	67	49
29	31	21	17	15	---	18	84	252	90	79	66	47
30	31	21	17	15	---	19	73	227	87	77	61	47
31	30	---	17	15	---	19	---	214	---	71	55	---
TOTAL	1038	799	590	496	418	551	1483	4741	5527	3566	2358	1574
MEAN	33.5	26.6	19.0	16.0	14.9	17.8	49.4	153	184	115	76.1	52.5
AC-FT	2060	1580	1170	984	829	1090	2940	9400	10960	7070	4680	3120
MAX	46	34	22	17	15	19	84	267	276	240	90	64
MIN	27	21	17	15	14	16	19	71	87	71	55	45
CAL YR 2005	TOTAL	14128	MEAN	38.5	MAX	167	MIN	8.9	AC-FT	28030		
WTR YR 2006	TOTAL	23141	MEAN	63.4	MAX	276	MIN	14	AC-FT	45900		

MAX DAILY DISCH: 276 CFS ON JUN 8, 2006 GH 1.89 FT. SHIFT 0 FT.

MAX GAGE HT OCCURRED DURING PERIOD OF ESTIMATED GAGE HT DUE TO PLUGGED INFLOW/OUTFLOW PIPE IN WELL

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE CO
WY2006 HYDROGRAPH



BLUE RIVER BASIN

SNAKE RIVER AT KEYSTONE SKI AREA, CO

LOCATION.-- Lat 39°36'17", long 105°57'17", Summit County, on left bank just below Keystone Ski Area snowmaking diversion.

DRAINAGE AREA.--N/A.

GAGE.--Pressure transducer sensor mounted in gage pool downstream of the Keystone Ski Area snowmaking diversion. Transducer wired to a Sutron 8210 DCP inside the pumphouse for the Keystone snowmaking operations. The pressure transducer is referenced to an outside staff gage below the snowmaking diversion point. Satellite data is primary record. The pressure transducer sensor was replaced with a Sutron AccuBubble sensor on Oct 13, 2006 to provide data for WY 2007. Control is a "W"-shaped rock weir approximately 20 feet below the gage.

REMARKS.--Record is complete and reliable, except for Nov and Dec., 2005. Significant amounts of water were diverted from the Snake River during these months (via pumps) for Keystone's snowmaking operations. Electrical systems for Keystone's snowmaking pumps caused problems with DWR data logging equipment during this period, which resulted in bad gage height readings. This problem had some effect in Feb and Mar. Little and no water was diverted for snowmaking in Oct and Jan, respectively. During the periods of bad gage height, discharge was determined with straight-line estimates between reasonable gage heights. Record is rated as fair for Oct., Feb. and Mar., and good for Jan. During Nov. and Dec., the record is rated as poor. It is expected that installation of the AccuBubble sensor will significantly improve the quality of gage height data for WY 2007. Record includes bypass water (pumped from Montezuma shaft of Roberts Tunnel) that is not diverted for snowmaking. WY2006 is the first year to publish this record. Record is published as a partial year record (Oct 1-Mar 31) only. Station was maintained by George Wear and record was developed by James Kellogg.

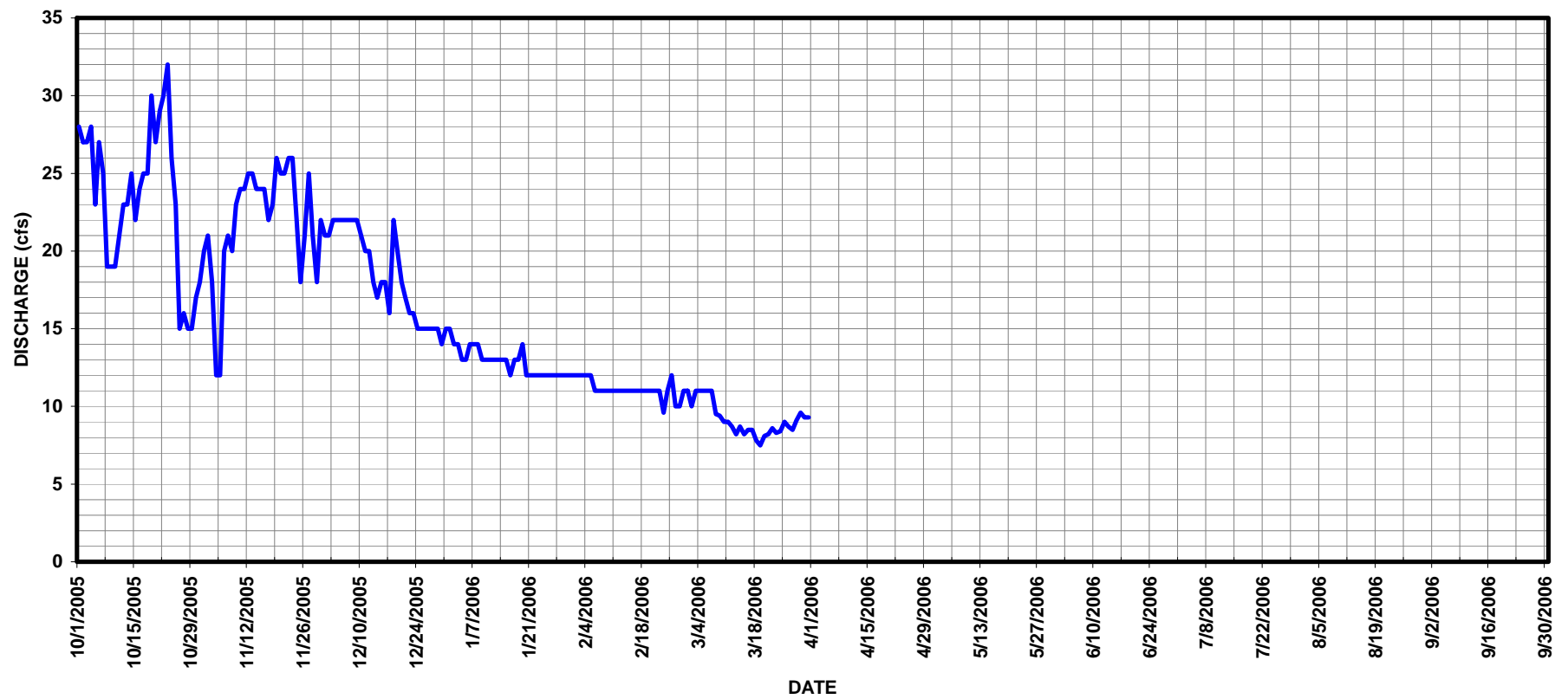
RATING TABLE.--SNAKEYC011 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	20	21	15	12	11	---	---	---	---	---	---
2	27	21	21	14	12	10	---	---	---	---	---	---
3	27	18	22	14	12	11	---	---	---	---	---	---
4	28	12	22	13	12	11	---	---	---	---	---	---
5	23	12	22	13	12	11	---	---	---	---	---	---
6	27	20	22	14	11	11	---	---	---	---	---	---
7	25	21	22	14	11	11	---	---	---	---	---	---
8	19	20	22	14	11	9.5	---	---	---	---	---	---
9	19	23	22	13	11	9.4	---	---	---	---	---	---
10	19	24	21	13	11	9.0	---	---	---	---	---	---
11	21	24	20	13	11	9.0	---	---	---	---	---	---
12	23	25	20	13	11	8.7	---	---	---	---	---	---
13	23	25	18	13	11	8.2	---	---	---	---	---	---
14	25	24	17	13	11	8.7	---	---	---	---	---	---
15	22	24	18	13	11	8.2	---	---	---	---	---	---
16	24	24	18	12	11	8.5	---	---	---	---	---	---
17	25	22	16	13	11	8.5	---	---	---	---	---	---
18	25	23	22	13	11	7.8	---	---	---	---	---	---
19	30	26	20	14	11	7.5	---	---	---	---	---	---
20	27	25	18	12	11	8.1	---	---	---	---	---	---
21	29	25	17	12	11	8.2	---	---	---	---	---	---
22	30	26	16	12	11	8.6	---	---	---	---	---	---
23	32	26	16	12	9.6	8.3	---	---	---	---	---	---
24	26	22	15	12	11	8.4	---	---	---	---	---	---
25	23	18	15	12	12	9.0	---	---	---	---	---	---
26	15	21	15	12	10	8.7	---	---	---	---	---	---
27	16	25	15	12	10	8.5	---	---	---	---	---	---
28	15	21	15	12	11	9.1	---	---	---	---	---	---
29	15	18	15	12	---	9.6	---	---	---	---	---	---
30	17	22	14	12	---	9.3	---	---	---	---	---	---
31	18	---	15	12	---	9.3	---	---	---	---	---	---
TOTAL	723	657	572	398	310.6	284.1	---	---	---	---	---	---
MEAN	23.3	21.9	18.5	12.8	11.1	9.16	---	---	---	---	---	---
AC-FT	1430	1300	1130	789	616	564	---	---	---	---	---	---
MAX	32	26	22	15	12	11	---	---	---	---	---	---
MIN	15	12	14	12	9.6	7.5	---	---	---	---	---	---

WTR YR 2006 TOTAL 2944.7 MEAN 16.2 MAX 32 MIN 7.5 AC-FT 5840 (PARTIAL YEAR RECORD)
 MAX DISCH: 41.5 CFS AT 22:00 ON Oct 23, 2005 GH 2.01 FT. SHIFT 0.03 FT. DATUM CORR 0.15 FT.
 MAX GH: 2.16 FT. (CORRECTED) AT 22:00 ON Oct. 23, 2005

SNAKE RIVER AT KEYSTONE SKI AREA CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN, CO

LOCATION.--Lat 39°13'30", long 106°51'20", NW¼SW¼ sec. 35, T.9 S., R.85 W., Pitkin County, on left bank at Aspen Consolidated Sanitation Plant 0.5 mi east of Aspen Airport and 0.8 mi downstream from confluence of Maroon Creek.

DRAINAGE AREA.--N/A.

GAGE.--Graphic water-stage recorder and Sutron 8004 satellite telemetry system in exposed aggregate building over stilling well. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is a rock and cobble riffle (low flows) and boulders (high flows). Elevation of gage is 7560 ft from topographic map.

REMARKS.--Record is complete and reliable except for the following days when the stage-discharge relationship was affected by ice: December 5-19, 2005; and January 10-11, 13-14, 21-27; and February 11-17, 2006. Upstream transmountain diversions occur through Twin Lakes Tunnel and through Hunter Tunnel. Record is good except for periods of ice-affected record, which is fair. Station maintained by George Wear. Record developed by James Kellogg.

RATING TABLE.--ROABMCC004 USED FROM 01-OCT-2005 TO 25-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	164	133	118	101	100	104	330	872	530	284	176
2	184	168	138	114	101	96	108	349	959	539	264	169
3	173	169	137	117	101	97	108	389	1030	560	249	165
4	179	164	131	112	100	97	118	411	1080	531	248	162
5	194	167	128	109	100	96	127	431	1170	497	253	156
6	187	161	130	120	99	97	130	407	1250	569	280	151
7	183	163	130	115	98	100	122	406	1330	499	251	154
8	178	161	120	112	104	100	123	394	1370	538	242	161
9	202	158	132	111	100	97	135	386	1350	607	231	175
10	206	158	132	106	96	98	150	356	1090	586	228	172
11	192	159	132	120	78	98	161	354	1090	523	239	163
12	186	161	132	115	99	96	161	376	1060	500	226	155
13	183	159	132	106	99	95	190	427	1030	457	233	150
14	186	163	132	110	99	93	220	501	1000	416	218	145
15	193	138	132	110	99	96	255	558	945	386	206	171
16	190	139	132	107	97	91	226	610	828	364	206	187
17	188	146	132	115	97	94	239	663	743	356	199	170
18	183	141	132	111	98	94	251	706	756	341	195	163
19	224	144	132	111	94	95	223	794	756	334	212	158
20	208	138	127	106	95	97	215	844	723	359	202	158
21	205	141	123	110	93	93	227	984	714	427	195	179
22	200	139	123	110	92	95	247	1110	669	345	192	187
23	194	137	122	110	93	95	306	1350	648	324	187	180
24	187	139	119	110	92	95	343	1080	633	308	185	179
25	181	136	118	110	93	98	308	1170	601	302	186	185
26	180	139	117	110	92	101	290	1280	576	298	220	185
27	175	136	119	110	94	96	324	1340	537	307	265	186
28	172	134	116	106	97	99	367	1140	524	280	220	190
29	174	127	117	103	---	103	323	930	530	265	202	197
30	178	136	115	106	---	103	315	831	536	273	189	197
31	170	---	117	102	---	100	---	863	---	275	180	---
TOTAL	5825	4485	3932	3432	2701	3005	6416	21770	26400	12896	6887	5126
MEAN	188	150	127	111	96.5	96.9	214	702	880	416	222	171
AC-FT	11550	8900	7800	6810	5360	5960	12730	43180	52360	25580	13660	10170
MAX	224	169	138	120	104	103	367	1350	1370	607	284	197
MIN	170	127	115	102	78	91	104	330	524	265	180	145

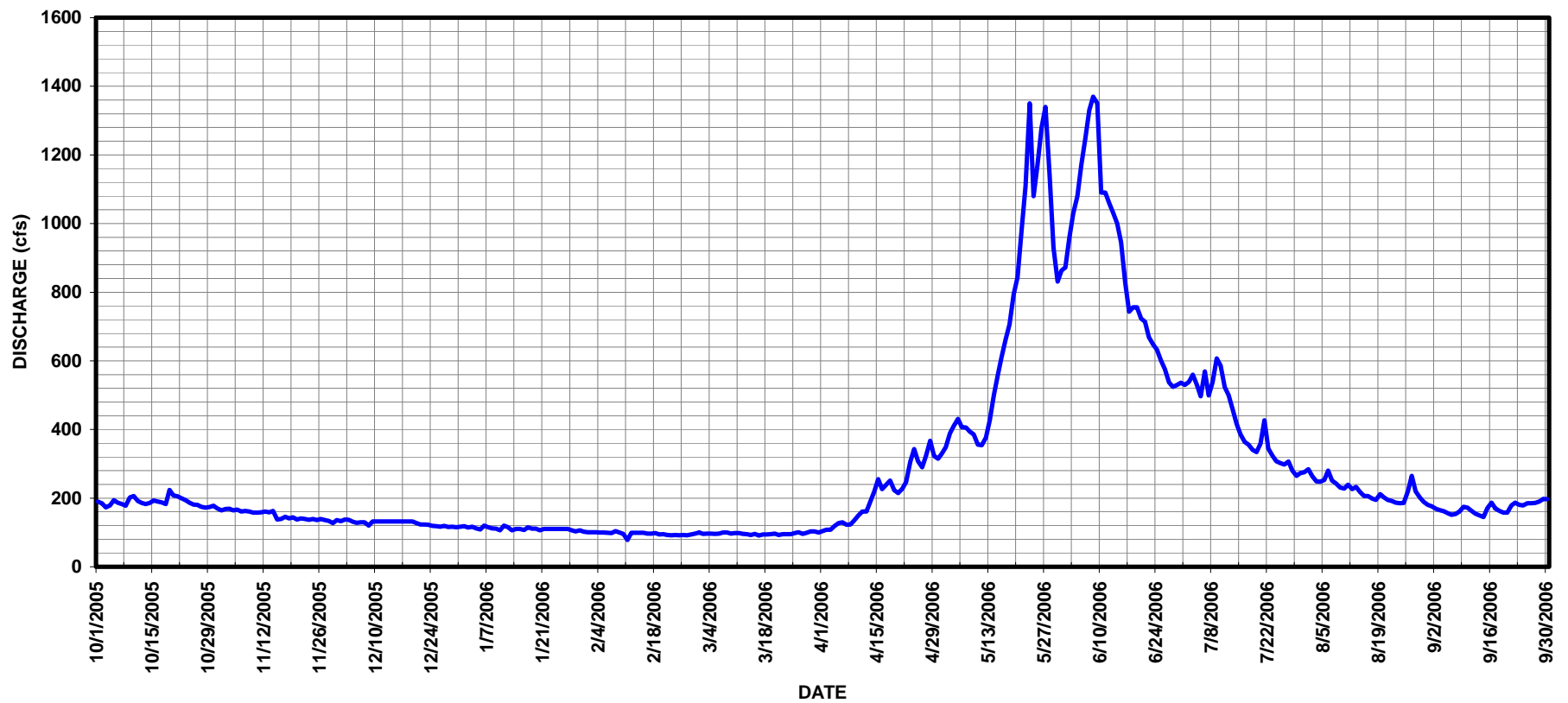
CAL YR	2005	TOTAL	99268	MEAN	272	MAX	1290	MIN	75	AC-FT	196900
WTR YR	2006	TOTAL	102875	MEAN	282	MAX	1370	MIN	78	AC-FT	204100

MAX DISCH: 1710 CFS AT 23:00 ON Jun. 8, 2006 GH 5.07 FT. SHIFT 0 FT.

MAX GH: 5.07 FT. AT 23:00 ON Jun. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE, CO

LOCATION.--Lat 39°14'42", long 106°31'50", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 100 ft downstream from diversion dam, 2 mi southwest of Ivanhoe Lake, and 9.1 mi southeast of Norrie, CO.

DRAINAGE AREA.--18.7 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square doghouse style metal shelter on 24" diameter corrugated metal well. Recorder connected to USBR shaft encoder inside well; encoder is hard-wired to Mormon control house for satellite transmission. Recorder and encoder are referenced to inside drop tape. Encoder data used as primary source, with recorder used as backup. A stage discharge recorder (SDR) was installed on Sep 6, 2006, and the chart recorder was removed on Oct 5, 2006. Control is a 9.8-ft. wide sharp-crested concrete weir 20 ft. below gage. Elevation of gage is 9,945 ft from topographic map.

REMARKS.--Record is complete and reliable except for the period of Nov 14, 2005 to Mar 30, 2006, when well was frozen. Chart data used Oct 1 to Nov 13, 2005; Apr 4-18, 29-30; May 20-21; and Jul 28 to Sep 30, 2006. Record is good except for period of no gage height record, which is poor. Gaging station operated by George Wear. Discharge record computed by James Kellogg.

RATING TABLE.--FRYIVLC008 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

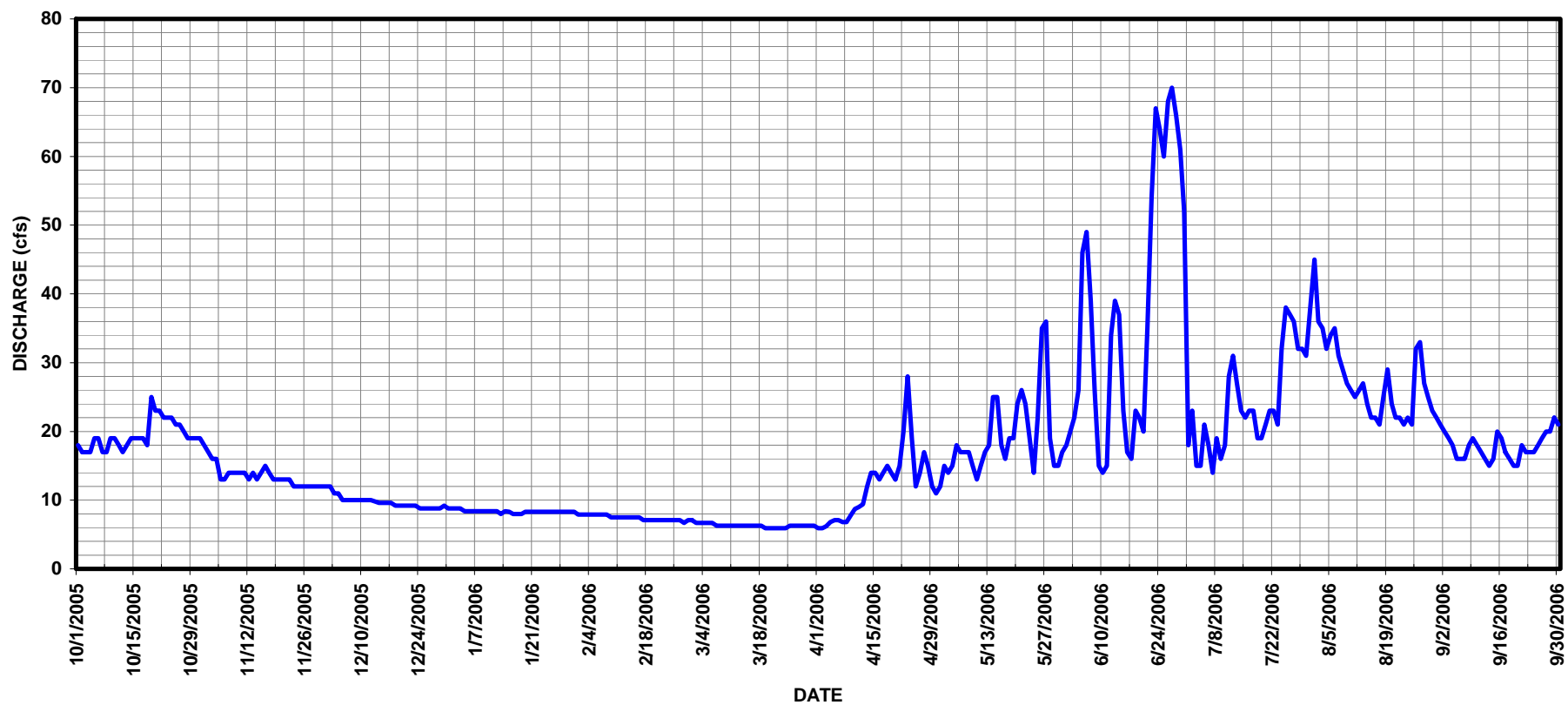
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	12	8.8	7.9	7.1	5.9	12	18	18	45	21
2	17	17	12	8.8	7.9	6.7	5.9	15	20	23	36	20
3	17	16	11	8.8	7.9	6.7	6.2	14	22	15	35	19
4	17	16	11	8.4	7.9	6.7	6.8	15	26	15	32	18
5	19	13	10	8.4	7.9	6.7	7.1	18	46	21	34	16
6	19	13	10	8.4	7.9	6.7	7.1	17	49	18	35	16
7	17	14	10	8.4	7.9	6.3	6.8	17	39	14	31	16
8	17	14	10	8.4	7.9	6.3	6.8	17	26	19	29	18
9	19	14	10	8.4	7.5	6.3	7.8	15	15	16	27	19
10	19	14	10	8.4	7.5	6.3	8.7	13	14	18	26	18
11	18	14	10	8.4	7.5	6.3	9.0	15	15	28	25	17
12	17	13	10	8.4	7.5	6.3	9.4	17	34	31	26	16
13	18	14	9.8	8.0	7.5	6.3	12	18	39	27	27	15
14	19	13	9.6	8.4	7.5	6.3	14	25	37	23	24	16
15	19	14	9.6	8.3	7.5	6.3	14	25	23	22	22	20
16	19	15	9.6	8.0	7.5	6.3	13	18	17	23	22	19
17	19	14	9.6	8.0	7.1	6.3	14	16	16	23	21	17
18	18	13	9.2	8.0	7.1	6.3	15	19	23	19	25	16
19	25	13	9.2	8.3	7.1	5.9	14	19	22	19	29	15
20	23	13	9.2	8.3	7.1	5.9	13	24	20	21	24	15
21	23	13	9.2	8.3	7.1	5.9	15	26	35	23	22	18
22	22	13	9.2	8.3	7.1	5.9	20	24	54	23	22	17
23	22	12	9.2	8.3	7.1	5.9	28	19	67	21	21	17
24	22	12	8.8	8.3	7.1	5.9	19	14	64	32	22	17
25	21	12	8.8	8.3	7.1	6.3	12	22	60	38	21	18
26	21	12	8.8	8.3	7.1	6.3	14	35	68	37	32	19
27	20	12	8.8	8.3	6.7	6.3	17	36	70	36	33	20
28	19	12	8.8	8.3	7.1	6.3	15	19	66	32	27	20
29	19	12	8.8	8.3	---	6.3	12	15	61	32	25	22
30	19	12	9.2	8.3	---	6.3	11	15	52	31	23	21
31	19	---	8.8	8.3	---	6.3	---	17	---	38	22	---
TOTAL	601	407	300.2	258.6	208.0	195.7	359.5	591	1118	756	845	536
MEAN	19.4	13.6	9.68	8.34	7.43	6.31	12.0	19.1	37.3	24.4	27.3	17.9
AC-FT	1190	807	595	513	413	388	713	1170	2220	1500	1680	1060
MAX	25	18	12	8.8	7.9	7.1	28	36	70	38	45	22
MIN	17	12	8.8	8.0	6.7	5.9	5.9	12	14	14	21	15

CAL YR	2005	TOTAL	5623.3	MEAN	15.4	MAX	70	MIN	4.3	AC-FT	11150
WTR YR	2006	TOTAL	6176	MEAN	16.9	MAX	70	MIN	5.9	AC-FT	12250

MAX DISCH: 111 CFS AT 20:45 ON Jun. 5, 2006 GH 2.31 FT. SHIFT 0 FT.
MAX GH: 2.31 FT. AT 20:45 ON Jun. 5, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077200 FRYINGPAN RIVER NEAR IVANHOE LAKE CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09077610 IVANHOE CREEK NEAR NAST, CO

LOCATION.--Lat 39°17'13", long 106°33'31", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on left bank 60 ft upstream from culvert under Nast Tunnel, 300 ft downstream from diversion dam, 2.3 mi east of Nast, and 5.8 mi southeast of Norrie, CO.

DRAINAGE AREA.--9.43 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square doghouse style metal shelter on 24" diameter corrugated metal well. Recorder referenced to inside drop tape. Shaft encoder chain-driven off of recorder wheel, has no readout on site, is not adjustable on site, and is hard-wired to DCP (w/GOES radio) located at Mormon Control House. Satellite monitoring equipment owned and maintained by USBR. A Stage Discharge Recorder (SDR) was installed Sept. 6, 2006. Control is a 120° v-notch weir (low flows) 30 ft below the gage and 8 ft culvert (high flows) 35 feet below the gage. Elevation of gage is 9,980 ft from topographic map.

REMARKS.--Record is complete and reliable for the year except for the following days: Nov. 6-7, Nov. 13, 2005 to Apr. 16, 2006 when well was froze and Aug. 9-10, 2006 when well was silted in. Record is fair except for periods of no gage height data, which is poor. Station operated by George Wear and record developed by George Wear and Ed Wilson; USBR maintains satellite monitoring equipment. Upstream transmountain diversions occur through Boustead Tunnel and Busk-Ivanhoe Tunnel.

RATING TABLE.--IVCRNACO04 USED FROM 01-OCT-2005 TO 11-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

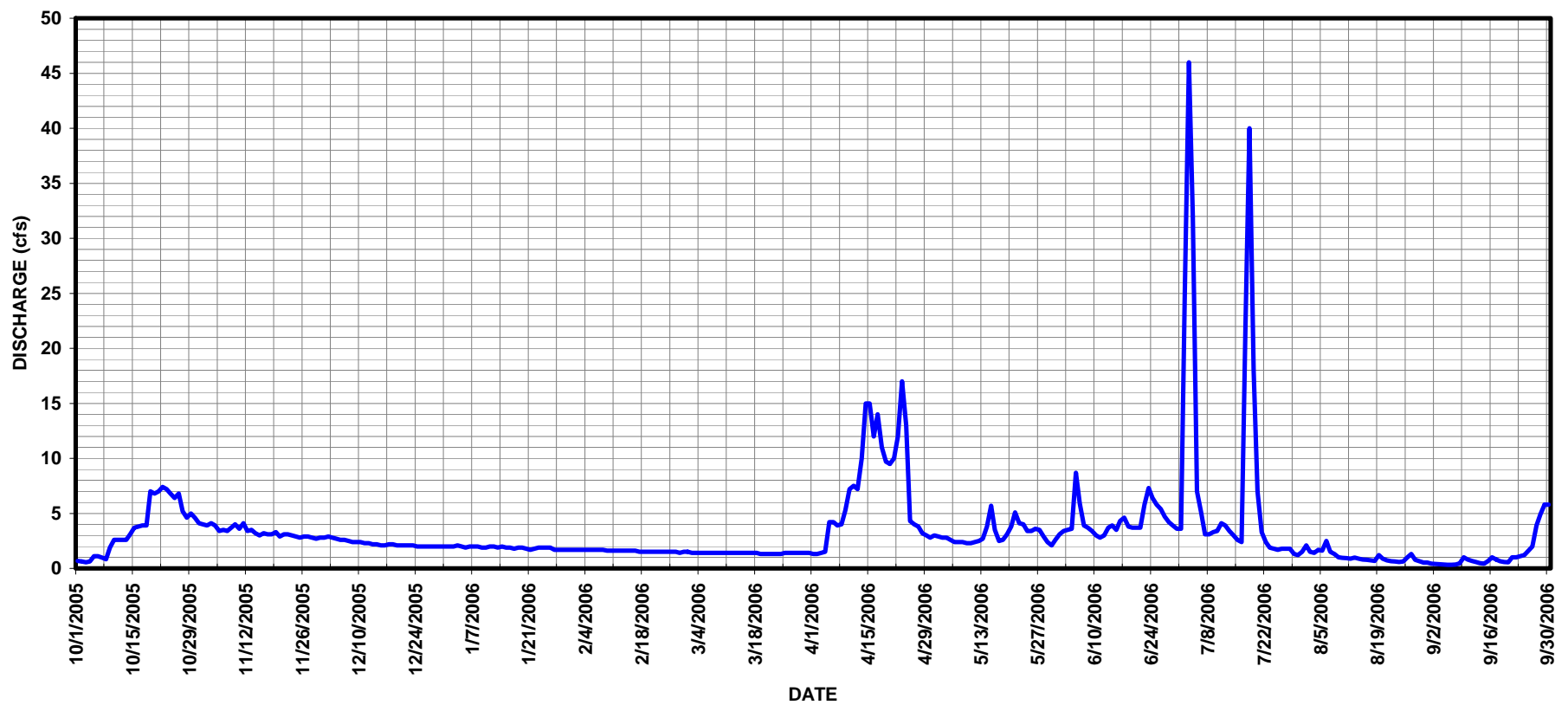
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	4.0	2.8	2.0	1.7	1.5	1.3	3.0	3.1	3.6	2.1	.44
2	.62	3.9	2.9	2.0	1.7	1.4	1.3	2.9	3.4	25	1.5	.41
3	.56	4.1	2.8	2.1	1.7	1.4	1.4	2.8	3.5	46	1.4	.39
4	.62	3.9	2.7	2.0	1.7	1.4	1.5	2.8	3.6	32	1.7	.36
5	1.1	3.4	2.6	1.9	1.7	1.4	4.2	2.6	8.7	7.0	1.6	.34
6	1.1	3.5	2.6	2.0	1.7	1.4	4.2	2.4	5.9	5.1	2.5	.34
7	.97	3.4	2.5	2.0	1.7	1.4	3.9	2.4	3.9	3.1	1.5	.35
8	.84	3.7	2.4	2.0	1.7	1.4	4.0	2.4	3.7	3.1	1.3	.46
9	1.9	4.0	2.4	1.9	1.6	1.4	5.3	2.3	3.4	3.3	1.0	1.0
10	2.6	3.6	2.4	1.9	1.6	1.4	7.2	2.3	3.0	3.4	.95	.80
11	2.6	4.1	2.3	2.0	1.6	1.4	7.5	2.4	2.8	4.1	.93	.68
12	2.6	3.4	2.3	2.0	1.6	1.4	7.2	2.5	3.0	3.9	.89	.57
13	2.6	3.5	2.2	1.9	1.6	1.4	10	2.7	3.7	3.4	.97	.48
14	3.1	3.2	2.2	2.0	1.6	1.4	15	3.8	3.9	3.0	.89	.43
15	3.7	3.0	2.1	1.9	1.6	1.4	15	5.7	3.5	2.6	.80	.65
16	3.8	3.2	2.1	1.9	1.6	1.4	12	3.5	4.3	2.4	.77	1.0
17	3.9	3.1	2.2	1.8	1.5	1.4	14	2.5	4.6	22	.73	.81
18	3.9	3.1	2.2	1.9	1.5	1.4	11	2.6	3.8	40	.69	.66
19	7.0	3.3	2.1	1.9	1.5	1.3	9.7	3.1	3.7	18	1.2	.57
20	6.8	2.9	2.1	1.8	1.5	1.3	9.5	3.8	3.7	7.0	.87	.56
21	7.0	3.1	2.1	1.7	1.5	1.3	10	5.1	3.7	3.3	.73	1.0
22	7.4	3.1	2.1	1.8	1.5	1.3	12	4.1	5.8	2.4	.66	1.0
23	7.2	3.0	2.1	1.9	1.5	1.3	17	4.0	7.3	1.9	.62	1.1
24	6.8	2.9	2.0	1.9	1.5	1.3	13	3.4	6.4	1.8	.59	1.2
25	6.4	2.8	2.0	1.9	1.5	1.4	4.3	3.4	5.8	1.7	.62	1.6
26	6.8	2.9	2.0	1.9	1.5	1.4	4.0	3.6	5.4	1.8	.99	2.0
27	5.2	2.9	2.0	1.7	1.4	1.4	3.8	3.5	4.7	1.8	1.3	3.9
28	4.6	2.8	2.0	1.7	1.5	1.4	3.2	2.9	4.2	1.8	.77	4.9
29	5.0	2.7	2.0	1.7	---	1.4	3.0	2.4	3.9	1.3	.66	5.8
30	4.6	2.8	2.0	1.7	---	1.4	2.8	2.1	3.6	1.2	.53	5.8
31	4.1	---	2.0	1.7	---	1.4	---	2.6	---	1.5	.53	---
TOTAL	116.10	99.3	70.2	58.5	44.3	42.9	218.3	95.6	130.0	258.5	32.29	39.60
MEAN	3.75	3.31	2.26	1.89	1.58	1.38	7.28	3.08	4.33	8.34	1.04	1.32
AC-FT	230	197	139	116	88	85	433	190	258	513	64	79
MAX	7.4	4.1	2.9	2.1	1.7	1.5	17	5.7	8.7	46	2.5	5.8
MIN	.56	2.7	2.0	1.7	1.4	1.3	1.3	2.1	2.8	1.2	.53	.34

CAL YR	2005	TOTAL	900.54	MEAN	2.47	MAX	37	MIN	.31	AC-FT	1790
WTR YR	2006	TOTAL	1205.59	MEAN	3.3	MAX	46	MIN	.34	AC-FT	2390

MAX DISCH: 52 CFS AT 12:30 ON July 3, 2006 GH 2.18 FT. SHIFT 0.02 FT.
MAX GH: 2.18 FT. AT 12:30 ON July 3, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077610 IVANHOE CREEK NEAR NAST CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO

LOCATION.--Lat 39°14'20", long 106°35'24", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on right bank 300 ft downstream from diversion dam, 5.2 mi upstream from mouth, and 7.2 mi southeast of Norrie, CO.

DRAINAGE AREA.--11.5 mi².

GAGE.--Graphic water-stage recorder in metal box mounted on a 4-in diameter steel pipe well. Recorder referenced to drop tape from RP on downstream side of recorder box. USBR has shaft encoder connected with belt to the recorder wheel which is hard-wired to a DCP in the Chapman Control House for satellite transmission. Control is a 6.2-ft. wide concrete weir. Elevation of gage is 9,990 ft from topographic map.

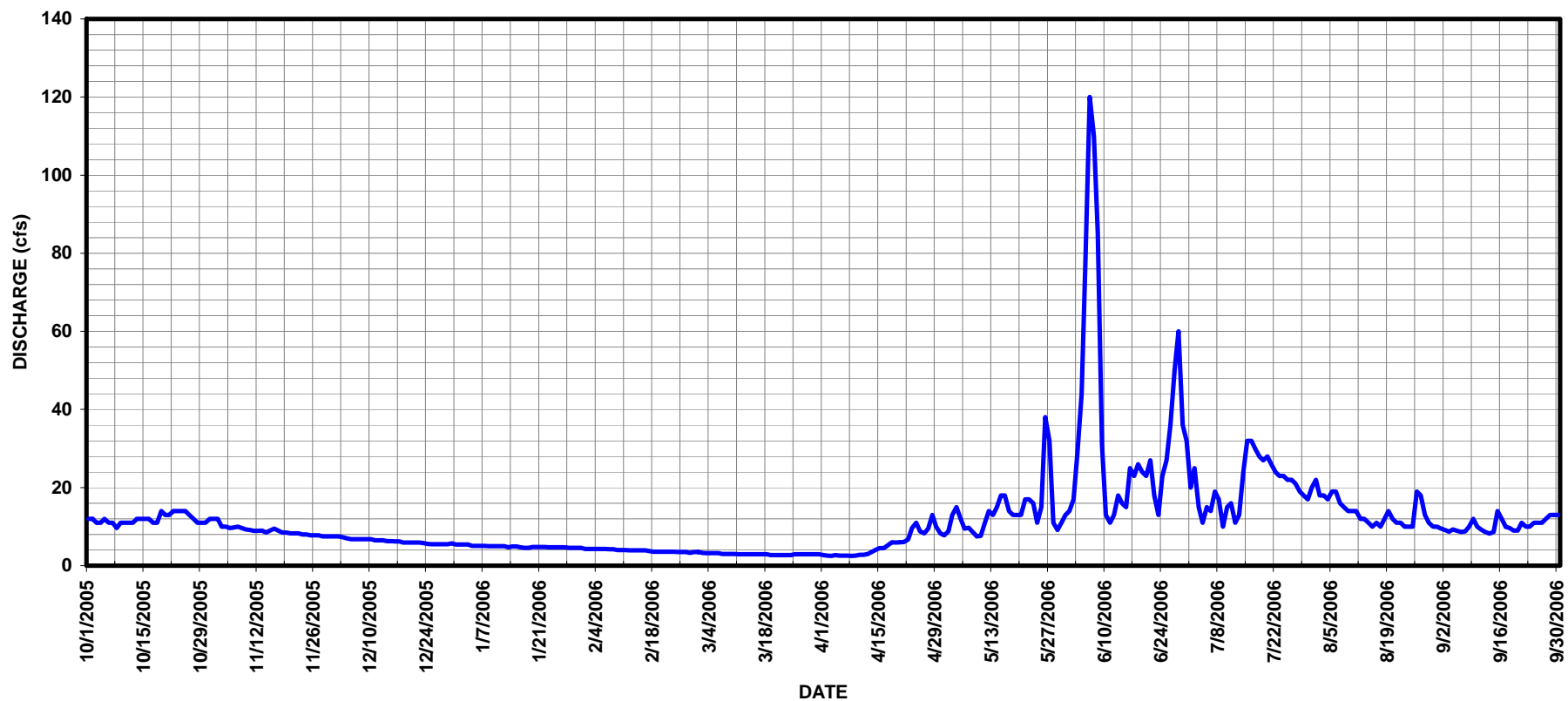
REMARKS.--Shaft encoder (SE) data were available for record development Apr. 4 to July 30, 2006. SE data were used as primary record; chart data were used as backup. The float, counter weight or USBR shaft encoder was causing the gage height record to step for most of the year. The small float and counter weight is not adequate to provide an accurate gage-height record. The chart was used Oct. 1 to Nov.13, 2005. The well was frozen Nov.14, 2005 to Apr. 3, 2006. The SE was started Apr 4, 2006, but no float tape was available due to ice and the float was resting on bottom of well. The recorder clock stopped and restarted Apr. 5 to July 22, 2006. No datum corrections could be determined for period Apr. 4 to May 25, 2006. A constant +0.06 ft datum correction was applied May 26 to July 22, 2006 as indicated using the 00:00 hr comparisons with the chart data. Gage heights from the chart were used July 23 to Aug. 11 and Sept 4-6, 2006. Gage height record during high flows was affected by stepping or pen flat lined around 3.00 ft stage. No record for the following periods; Nov 13, 2005 to Apr 3, 2006, May 8, 26-27, June 3-9, 21-30, Aug 12-Sep 3 and Sep 7-30, 2006. Record is poor. Station operated by George Wear and record developed by George Wear and Ed Wilson.

RATING TABLE.--FRYSFUCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	7.5	5.4	4.3	3.5	2.7	7.8	14	20	22	9.5
2	12	12	7.5	5.4	4.3	3.3	2.6	8.8	17	25	18	9.1
3	11	10	7.3	5.4	4.3	3.2	2.5	13	29	15	18	8.7
4	11	10	7.0	5.1	4.3	3.2	2.7	15	44	11	17	9.3
5	12	9.6	6.8	5.1	4.3	3.2	2.6	12	79	15	19	8.9
6	11	9.8	6.8	5.1	4.3	3.2	2.6	9.5	120	14	19	8.6
7	11	10	6.8	5.1	4.2	3.0	2.6	9.7	110	19	16	8.8
8	9.6	9.6	6.8	5.0	4.2	3.0	2.5	8.6	85	17	15	10
9	11	9.3	6.8	5.0	4.0	3.0	2.6	7.5	31	10	14	12
10	11	9.1	6.8	5.0	4.0	3.0	2.8	7.6	13	15	14	10
11	11	8.9	6.5	5.0	4.0	2.9	2.8	11	11	16	14	9.2
12	11	8.9	6.5	5.0	3.9	2.9	3.0	14	13	11	12	8.6
13	12	9.0	6.5	4.7	3.9	2.9	3.5	13	18	13	12	8.2
14	12	8.5	6.3	4.9	3.9	2.9	4.1	15	16	24	11	8.6
15	12	9.0	6.3	4.9	3.9	2.9	4.5	18	15	32	10	14
16	12	9.5	6.2	4.7	3.9	2.9	4.5	18	25	32	11	12
17	11	9.0	6.2	4.6	3.7	2.9	5.2	14	23	30	10	10
18	11	8.5	5.9	4.6	3.6	2.9	6.0	13	26	28	12	9.6
19	14	8.5	5.9	4.8	3.6	2.7	5.9	13	24	27	14	9.0
20	13	8.3	5.9	4.8	3.6	2.7	6.0	13	23	28	12	9.0
21	13	8.3	5.9	4.8	3.6	2.7	6.1	17	27	26	11	11
22	14	8.3	5.9	4.8	3.6	2.7	6.7	17	18	24	11	10
23	14	8.0	5.8	4.7	3.6	2.7	9.6	16	13	23	10	10
24	14	8.0	5.6	4.7	3.5	2.7	11	11	23	23	10	11
25	14	7.8	5.5	4.7	3.5	2.9	8.8	15	27	22	10	11
26	13	7.8	5.5	4.7	3.5	2.9	8.3	38	36	22	19	11
27	12	7.8	5.5	4.7	3.3	2.9	9.5	32	50	21	18	12
28	11	7.5	5.5	4.6	3.5	2.9	13	11	60	19	13	13
29	11	7.5	5.5	4.6	---	2.9	10	9.1	36	18	11	13
30	11	7.5	5.7	4.6	---	2.9	8.3	11	32	17	10	13
31	12	---	5.4	4.6	---	2.9	---	13	---	20	10	---
TOTAL	369.6	268.0	194.1	151.1	108.3	91.3	163.0	431.6	1058	637	423	308.1
MEAN	11.9	8.93	6.26	4.87	3.87	2.95	5.43	13.9	35.3	20.5	13.6	10.3
AC-FT	733	532	385	300	215	181	323	856	2100	1260	839	611
MAX	14	12	7.5	5.4	4.3	3.5	13	38	120	32	22	14
MIN	9.6	7.5	5.4	4.6	3.3	2.7	2.5	7.5	11	10	10	8.2
CAL YR 2005	TOTAL	3678.5	MEAN	10.1	MAX	53	MIN	2.0	AC-FT	7300		
WTR YR 2006	TOTAL	4203.1	MEAN	11.5	MAX	120	MIN	2.5	AC-FT	8340		
MAX DAILY DISCH: 120 CFS Jun. 06, 2006												
MAX GH: *4.03 FT. AT 20:45 ON Jun. 22, 2006 (AX GH may have been higher during period of no ght record)												

09077800 SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09077945 CHAPMAN GULCH NEAR NAST, CO

LOCATION.--Lat 39°15'51", long 106°37'54", unsurveyed, Pitkin County, Hydrologic Unit 14010004, on right bank 700 ft downstream from Chapman diversion tunnel, 3.3 mi upstream from mouth, and 4.3 mi south of Norrie, CO.

DRAINAGE AREA.--5.99 mi².

GAGE.--Graphic water-stage recorder in a 3 ft square metal doghouse style shelter on a 5 ft deep, 24-in diameter corrugated metal well. Record referenced to inside drop tape. USBR shaft encoder connected with belt to the recorder wheel, which is hard-wired to Chapman Control House for satellite telemetry. Stage discharge recorder (SDR) was installed Oct. 15, 2005 on a separate float as primary recording device for the 2006 WY. Control is a 120° v-notch sharp-crested weir (low flows) and channel (high flows). Elevation of gage is 9,982.76 ft.

REMARKS.--Record is complete and reliable, except Mar. 25 to Apr. 2, 2006, when the recorders malfunctioned. Chart data were used Oct 1 to 15, 2005; Mar. 20-24 and Apr. 2, 2006. USBR Satellite data were used Apr.3 to May 24, 2006, and SDR data were used for all other periods. Record is good, except for period of no gage height record, which are poor. Gaging station operated by George Wear and discharge record computed by George Wear and Ed Wilson.

RATING TABLE.--CHAGULCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

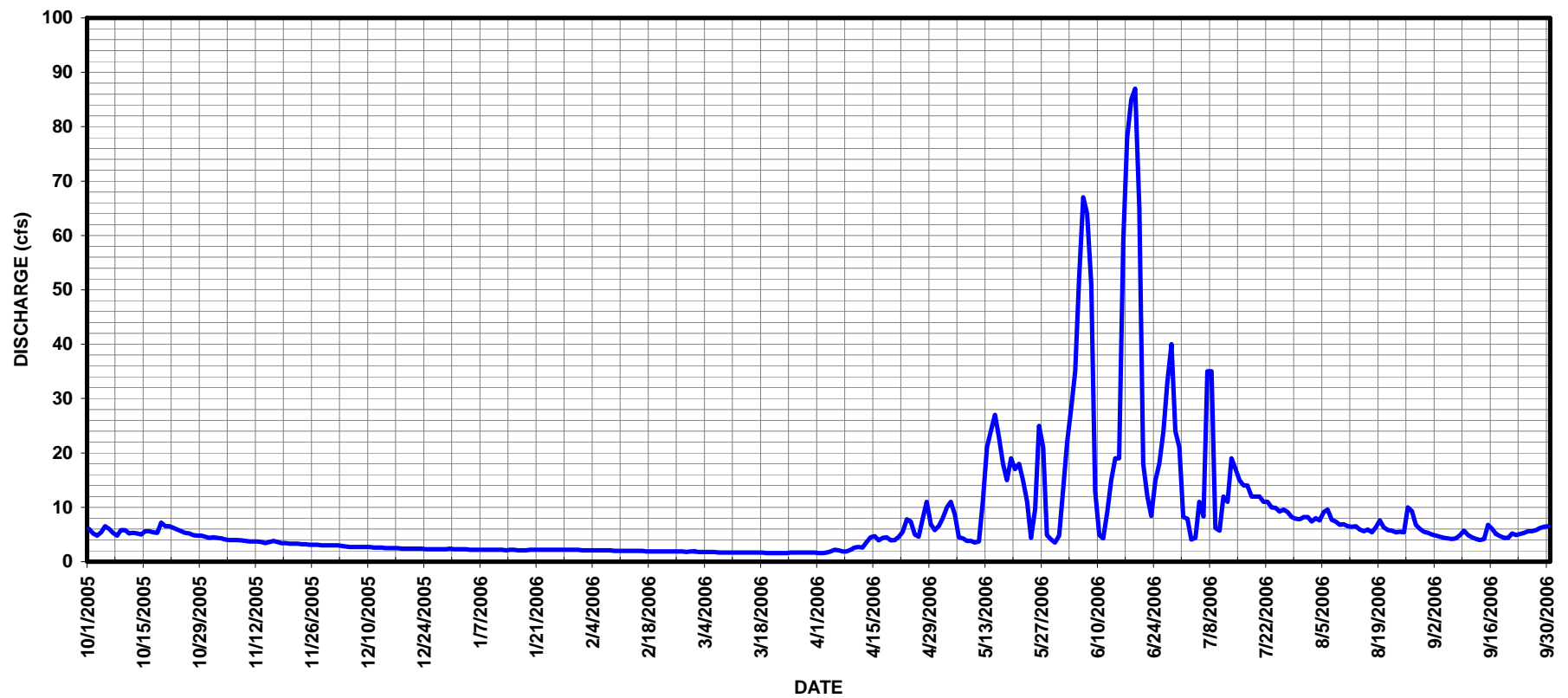
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	4.5	3.0	2.3	2.1	1.9	1.6	6.6	13	8.2	8.2	5.0
2	5.2	4.4	3.0	2.3	2.1	1.8	1.6	8.0	22	7.9	7.4	4.8
3	4.8	4.3	2.9	2.3	2.1	1.8	1.7	10	28	4.1	8.0	4.6
4	5.4	4.1	2.8	2.2	2.1	1.8	1.9	11	35	4.4	7.6	4.4
5	6.5	4.0	2.7	2.2	2.1	1.8	2.2	8.6	52	11	9.1	4.3
6	6.0	4.0	2.7	2.2	2.1	1.8	2.1	4.5	67	8.3	9.6	4.2
7	5.3	4.0	2.7	2.2	2.1	1.7	1.9	4.3	64	35	7.7	4.3
8	4.8	3.9	2.7	2.2	2.1	1.7	1.9	3.8	51	35	7.4	4.9
9	5.8	3.8	2.7	2.2	2.0	1.7	2.2	3.8	13	6.2	6.8	5.7
10	5.8	3.7	2.7	2.2	2.0	1.7	2.6	3.5	4.9	5.7	6.9	4.9
11	5.2	3.7	2.6	2.2	2.0	1.7	2.7	3.7	4.3	12	6.5	4.5
12	5.3	3.7	2.6	2.2	2.0	1.7	2.6	11	9.2	11	6.4	4.2
13	5.2	3.6	2.6	2.1	2.0	1.7	3.6	21	15	19	6.5	4.0
14	5.0	3.4	2.5	2.2	2.0	1.7	4.5	24	19	17	5.9	4.2
15	5.6	3.6	2.5	2.2	2.0	1.7	4.7	27	19	15	5.6	6.8
16	5.6	3.8	2.5	2.1	2.0	1.7	3.9	23	59	14	5.9	6.0
17	5.4	3.6	2.5	2.1	1.9	1.7	4.4	18	78	14	5.4	5.1
18	5.3	3.4	2.4	2.1	1.9	1.7	4.5	15	85	12	6.3	4.7
19	7.2	3.4	2.4	2.2	1.9	1.6	3.9	19	87	12	7.6	4.4
20	6.5	3.3	2.4	2.2	1.9	1.6	4.0	17	65	12	6.3	4.4
21	6.5	3.3	2.4	2.2	1.9	1.6	4.6	18	18	11	5.8	5.2
22	6.2	3.3	2.4	2.2	1.9	1.6	5.5	15	12	11	5.7	4.9
23	5.9	3.2	2.4	2.2	1.9	1.6	7.8	11	8.4	10	5.4	5.1
24	5.6	3.2	2.3	2.2	1.9	1.6	7.4	4.4	15	9.9	5.5	5.3
25	5.3	3.1	2.3	2.2	1.9	1.7	5.0	9.7	18	9.2	5.4	5.6
26	5.2	3.1	2.3	2.2	1.9	1.7	4.6	25	24	9.6	10	5.6
27	4.9	3.1	2.3	2.2	1.8	1.7	8.0	21	33	9.1	9.3	5.8
28	4.8	3.0	2.3	2.2	1.9	1.7	11	4.9	40	8.2	6.8	6.2
29	4.8	3.0	2.3	2.2	---	1.7	6.9	4.1	24	7.9	6.0	6.4
30	4.6	3.0	2.4	2.2	---	1.7	5.8	3.5	21	7.8	5.5	6.5
31	4.4	---	2.3	2.2	---	1.7	---	4.8	---	8.2	5.3	---
TOTAL	170.1	107.5	78.6	68.1	55.5	52.8	125.1	364.2	1003.8	365.7	211.8	152.0
MEAN	5.49	3.58	2.54	2.20	1.98	1.70	4.17	11.7	33.5	11.8	6.83	5.07
AC-FT	337	213	156	135	110	105	248	722	1990	725	420	301
MAX	7.2	4.5	3.0	2.3	2.1	1.9	11	27	87	35	10	6.8
MIN	4.4	3.0	2.3	2.1	1.8	1.6	1.6	3.5	4.3	4.1	5.3	4.0
CAL YR	2005	TOTAL	1839.6	MEAN	5.04	MAX	55	MIN	1.2	AC-FT	3650	
WTR YR	2006	TOTAL	2755.2	MEAN	7.55	MAX	87	MIN	1.6	AC-FT	5460	

MAX DISCH: 145 CFS AT 19:15 ON Jun. 6, 2006 GH 4.05 FT. SHIFT 0 FT.
MAX GH: 4.05 FT. AT 19:15 ON Jun. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09077945 CHAPMAN GULCH NEAR NAST CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO

LOCATION.--Lat 39°20'34", long 106°39'55", in SE¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on left bank, 800 ft upstream from bridge on county road, 0.4 mi upstream from mouth, 0.5 mi downstream from Last Chance Creek, and 1.3 mi northwest of Norrie, CO.

DRAINAGE AREA.--42 mi².

GAGE.--Graphic water-stage recorder in a 42" diameter corrugated metal well. A Synergetics DCP w/satellite monitoring and a shaft encoder is operated by the US National Weather Service. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite record with chart used as backup. Control is natural channel at low flows and boulders at high flows. Elevation of gage is 8,330 ft from topographic map.

REMARKS.--The Satellite record is complete and reliable, except November 16, 2005 - April 4, 2006, when well was frozen. Gage heights were used from the graphic recorder April 5-28, 2006. Record is good, except for period of no record, which is estimated and considered poor. Natural flow of stream is affected by transmountain diversions through Boustead Tunnel. Station operated by George Wear and record developed by George Wear and Ed Wilson.

RATING TABLE.--FRYNFNC010 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

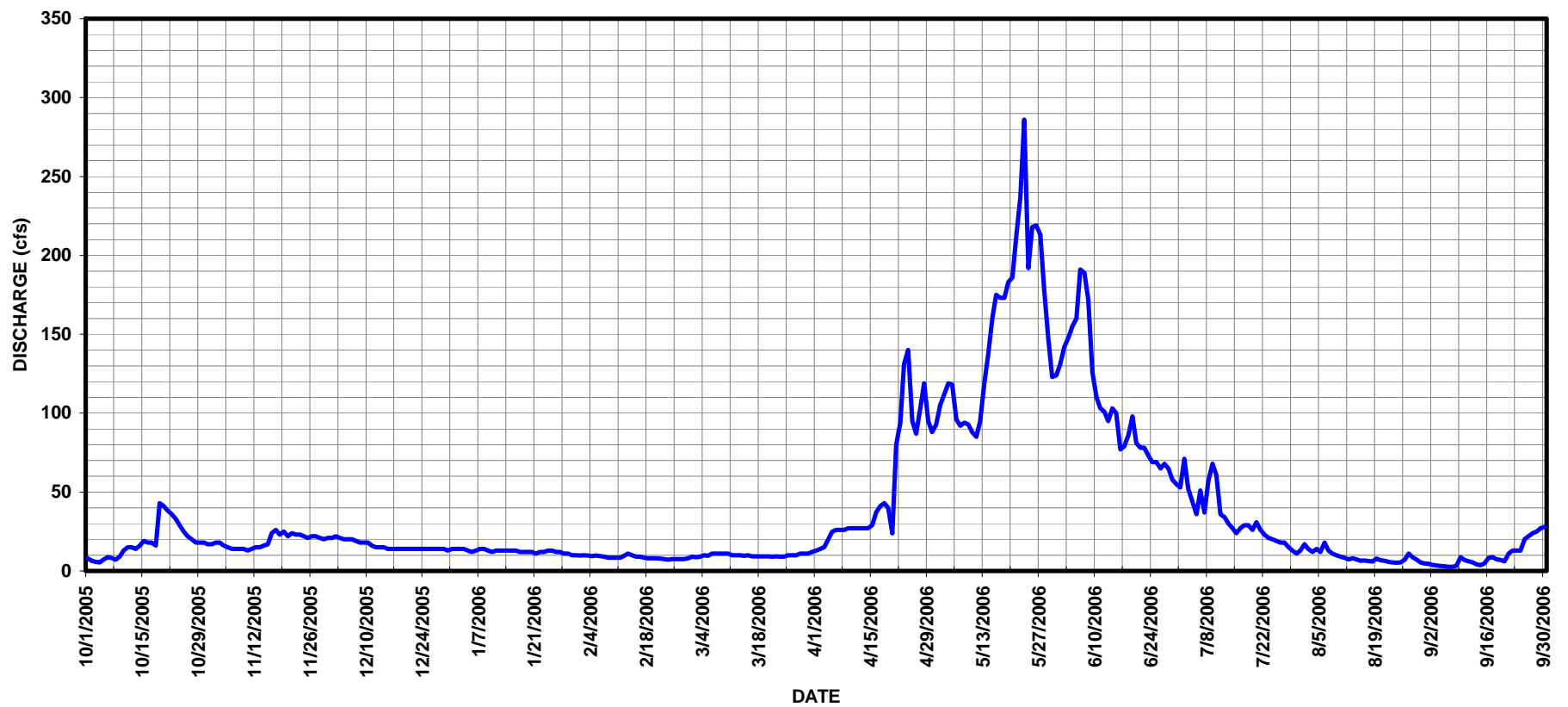
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	17	21	14	9.8	9.0	13	93	131	53	17	4.5
2	6.5	18	22	14	9.9	8.7	14	105	142	71	14	3.9
3	5.8	18	21	14	9.8	9.0	15	112	148	52	12	3.5
4	5.5	16	20	13	9.4	9.9	20	119	155	44	14	3.2
5	7.3	15	20	12	9.8	9.6	25	118	160	36	12	2.9
6	8.7	14	20	13	9.5	11	26	96	191	51	18	2.7
7	8.2	14	19	14	9.0	11	26	92	189	37	13	2.7
8	7.2	14	18	14	8.4	11	26	94	172	57	11	3.3
9	9.1	14	18	13	8.4	11	27	93	126	68	9.9	8.7
10	13	13	18	12	8.4	11	27	88	110	61	9.0	6.9
11	15	14	16	13	8.4	10	27	85	103	36	8.3	6.2
12	15	15	15	13	9.6	9.9	27	95	101	34	7.4	5.4
13	14	15	15	13	11	9.9	27	119	95	30	8.0	4.2
14	16	16	15	13	10	9.6	27	137	103	27	7.3	3.7
15	19	17	14	13	9.0	9.9	29	160	100	24	6.4	4.9
16	18	24	14	13	9.0	9.3	37	175	77	27	6.6	8.3
17	18	26	14	12	8.4	9.3	41	173	79	29	6.3	8.8
18	16	23	14	12	8.1	9.3	43	173	86	29	6.0	7.4
19	43	25	14	12	8.1	9.3	40	183	98	26	7.8	7.0
20	41	22	14	12	8.1	9.3	24	186	81	31	6.8	6.2
21	38	24	14	11	7.8	9.0	80	212	78	26	6.5	11
22	36	23	14	12	7.5	9.3	94	237	78	23	5.8	13
23	33	23	14	12	7.2	9.0	131	286	73	21	5.5	13
24	29	22	14	13	7.5	9.0	140	192	69	20	5.3	13
25	25	21	14	13	7.5	9.9	95	218	69	19	5.5	20
26	22	22	14	12	7.5	10	87	219	65	18	6.9	22
27	20	22	14	12	7.5	10	103	213	68	18	11	24
28	18	21	14	11	8.1	11	119	178	65	15	8.7	25
29	18	20	14	11	---	11	95	147	58	13	7.2	27
30	18	21	13	10	---	11	88	123	55	11	5.4	28
31	17	---	14	10	---	12	---	124	---	13	4.8	---
TOTAL	568.3	569	495	386	242.7	308.2	1573	4645	3125	1020	273.4	300.4
MEAN	18.3	19.0	16.0	12.5	8.67	9.94	52.4	150	104	32.9	8.82	10.0
AC-FT	1130	1130	982	766	481	611	3120	9210	6200	2020	542	596
MAX	43	26	22	14	11	12	140	286	191	71	18	28
MIN	5.5	13	13	10	7.2	8.7	13	85	55	11	4.8	2.7

CAL YR	2005	TOTAL	11405.5	MEAN	31.2	MAX	240	MIN	2.6	AC-FT	22620
WTR YR	2006	TOTAL	13506	MEAN	37.0	MAX	286	MIN	2.7	AC-FT	26790

MAX DISCH: 393 CFS AT 03:15 ON May. 23, 2006 GH 4.60 FT. SHIFT -0.03 FT.
MAX GH: 4.60 FT. AT 03:15 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09078500 NORTH FORK FRYINGPAN RIVER NEAR NORRIE CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09078600 FRYINGPAN RIVER NEAR THOMASVILLE, CO

LOCATION.--Lat 39°20'41", long 106°40'23", in NW¼NW¼ sec. 21, T.8 S., R.83 W., Pitkin County, Hydrologic Unit 14010004, on right bank 400 ft upstream from private bridge, 400 ft downstream from mouth of North Fork Fryingpan River, 1.6 mi southeast of Thomasville, CO, and 1.7 mi northwest of Norrie, CO.

DRAINAGE AREA.--134 mi².

GAGE.--Graphic water-stage recorder in standard 42" diameter corrugated metal well with Sutron SatLink high data rate DCP satellite equipment. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is a 100-ft. wide concrete dam 10 ft. below gage. Elevation of gage is 8,210 ft from topographic map.

REMARKS.--Satellite data are complete and reliable for the year, except for brief periods on the following days: Dec 7-8, 2005; Jan 17-18, Feb 10-11, and Mar 23, 2006. Gage heights for this period were obtained from backup chart recorder with no loss in accuracy. Record is good. Transmountain diversions above station occurred through Boustead Tunnel and Busk-Ivanhoe Tunnel. Station operated and record developed by George Wear.

RATING TABLE.--FRYTHOCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

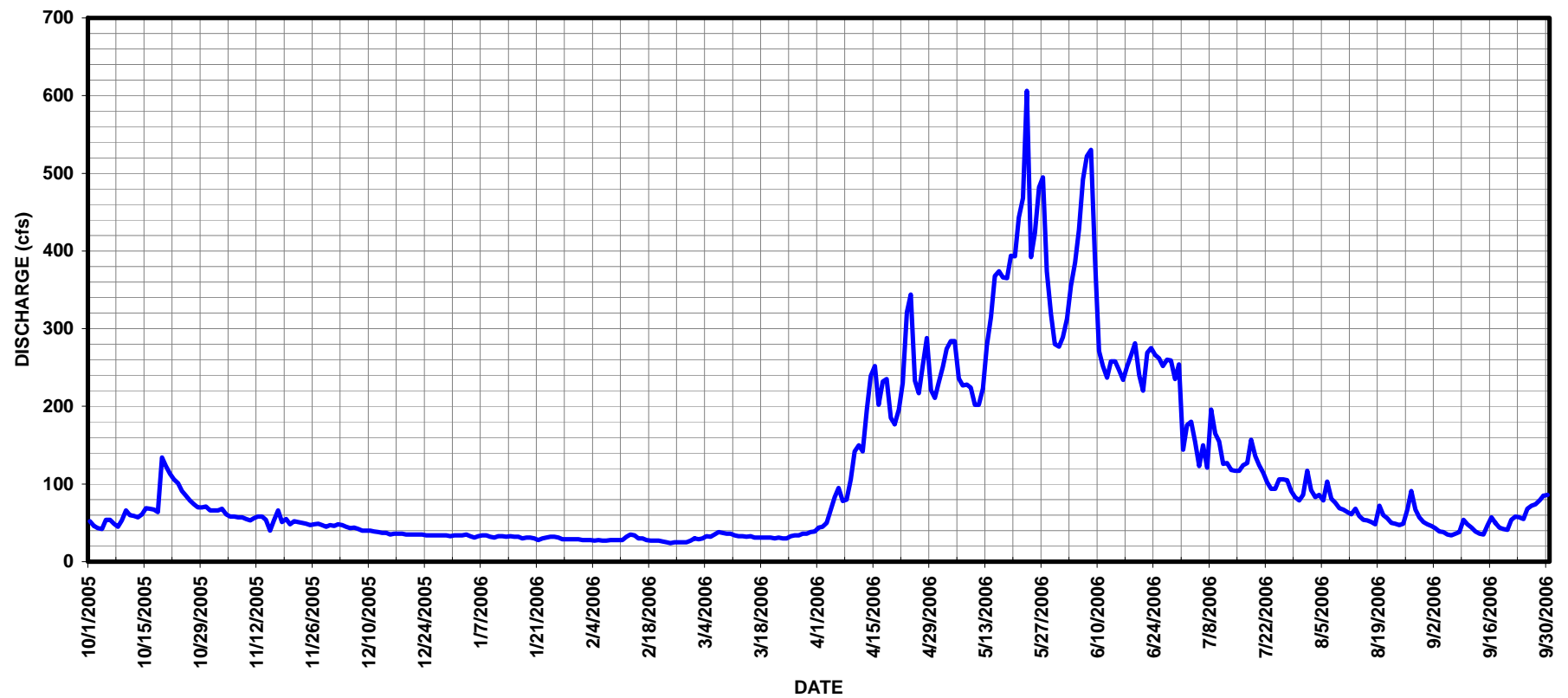
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	66	46	34	28	30	44	231	289	144	117	46
2	46	66	48	34	28	29	45	251	313	176	92	43
3	43	68	47	35	28	30	50	274	355	180	83	39
4	42	61	45	33	27	33	66	284	385	155	86	38
5	54	58	43	31	28	32	83	284	427	123	79	35
6	54	58	44	33	27	35	95	236	492	150	103	34
7	49	57	42	34	27	38	78	227	522	121	81	36
8	45	57	40	34	28	37	80	228	530	196	76	38
9	53	55	40	32	28	36	106	224	393	165	69	54
10	66	53	40	31	28	36	142	202	271	155	67	48
11	60	56	39	33	28	34	150	202	252	126	64	44
12	59	58	38	33	32	33	142	223	237	127	61	39
13	57	58	37	32	35	33	196	278	258	118	68	36
14	61	54	37	33	34	32	239	315	258	117	59	35
15	69	40	35	32	30	33	252	368	247	117	54	47
16	68	53	36	32	30	31	202	374	234	124	53	57
17	67	66	36	30	28	31	232	366	251	127	51	50
18	64	51	36	31	27	31	235	365	266	157	48	44
19	134	55	35	31	27	31	185	394	281	136	72	42
20	123	48	35	30	27	31	177	393	240	124	60	41
21	113	52	35	28	26	30	196	443	220	114	56	54
22	106	51	35	30	25	31	230	468	269	102	50	58
23	101	50	35	31	24	30	321	606	275	94	49	57
24	91	49	34	32	25	30	344	392	266	94	47	55
25	85	47	34	32	25	33	233	423	262	106	49	68
26	79	48	34	31	25	34	217	482	252	106	67	72
27	74	49	34	29	25	34	254	495	260	105	91	74
28	70	47	34	29	27	36	288	374	259	91	67	79
29	70	45	34	29	---	36	221	319	235	83	57	85
30	71	47	33	29	---	38	211	280	254	79	51	86
31	66	---	34	29	---	39	---	277	---	86	48	---
TOTAL	2192	1623	1175	977	777	1027	5314	10278	9053	3898	2075	1534
MEAN	70.7	54.1	37.9	31.5	27.7	33.1	177	332	302	126	66.9	51.1
AC-FT	4350	3220	2330	1940	1540	2040	10540	20390	17960	7730	4120	3040
MAX	134	68	48	35	35	39	344	606	530	196	117	86
MIN	42	40	33	28	24	29	44	202	220	79	47	34

CAL YR	2005	TOTAL	32178	MEAN	88.2	MAX	552	MIN	18	AC-FT	63830
WTR YR	2006	TOTAL	39923	MEAN	109	MAX	606	MIN	24	AC-FT	79190

MAX DISCH: 888 CFS AT 03:15 ON May. 23, 2006 GH 3.82 FT. SHIFT 0.03 FT.
MAX GH: 3.82 FT. AT 03:15 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09078600 FRYINGPAN RIVER NEAR THOMASVILLE CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09080100 FRYINGPAN RIVER AT MEREDITH, CO

LOCATION.--Lat 39°21'45", long 106°43'55", in SE¼SE¼ sec. 11, T.8 S., R.84 W., Eagle County, Hydrologic Unit 14010004, on left bank at Meredith, CO, 0.1 mi downstream from Waterbury Creek, 0.7 mi downstream from Jakeman Gulch.

DRAINAGE AREA.--191 mi².

GAGE.--Graphic water-stage recorder in standard 42" diameter corrugated metal shelter and well. Station is outfitted with DCP satellite equipment. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is natural channel (rock and cobble) at low flows and channel with channel banks at high flows. Elevation of gage is 7,780 ft from topographic map.

REMARKS.-- Record is complete and reliable except for the following periods: November 21-25, 2005, when ice in the channel affected the stage-discharge relationship; November 26, 2005 through April 24, 2006, when gage well was frozen; and April 27, 2006, when station experienced data transmission errors and the chart record could not be used reliably for backup due to ice problems in the well and intakes at the calibration/measurement visit on April 21, 2006. Record is good except for periods of missing and ice affected record, which are considered poor. Transmountain diversions above station occurred through Boustead Tunnel and Busk - Ivanhoe Tunnel. Station maintained by George Wear and record developed by Steve Pope.

Rating Table.-- FRYMERC004 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	94	67	49	41	44	61	322	405	192	142	65
2	71	94	70	49	41	42	63	344	449	219	120	62
3	67	97	68	51	41	43	70	369	507	230	107	59
4	66	90	65	48	39	48	92	388	542	209	110	55
5	78	87	62	45	41	46	115	392	586	169	99	51
6	80	86	64	48	39	50	131	340	650	198	124	49
7	78	85	61	49	39	55	108	323	675	168	102	50
8	74	86	58	49	41	53	110	318	681	257	96	52
9	82	84	58	46	41	52	146	313	562	227	90	67
10	97	82	58	45	41	52	195	284	404	229	86	64
11	92	83	57	48	41	49	206	272	369	196	84	60
12	88	87	55	48	46	47	195	293	342	189	81	56
13	86	86	54	46	51	47	269	363	360	172	94	54
14	89	85	54	48	49	46	327	420	351	164	81	51
15	96	78	51	46	44	47	345	497	348	160	77	61
16	100	111	52	46	44	44	276	527	318	163	76	75
17	99	114	52	44	41	44	316	545	326	162	72	69
18	95	82	52	45	39	44	320	556	325	198	68	64
19	171	87	51	45	39	44	252	592	352	174	88	61
20	167	85	51	44	39	44	240	584	308	159	78	60
21	154	75	51	41	38	42	266	629	273	151	76	75
22	145	74	51	44	36	44	312	667	333	140	70	80
23	139	72	51	45	35	42	434	862	337	131	69	79
24	131	71	49	46	36	42	465	599	323	125	67	76
25	124	68	49	46	36	46	337	606	320	137	67	85
26	118	70	49	45	36	48	308	678	302	135	79	91
27	107	71	49	42	36	48	346	713	307	136	110	94
28	110	68	49	42	39	50	396	576	306	124	86	104
29	109	65	49	42	---	50	318	494	282	113	81	114
30	106	68	48	42	---	53	301	415	300	107	70	112
31	97	---	49	42	---	54	---	390	---	113	66	---
TOTAL	3194	2485	1704	1416	1129	1460	7320	14671	11943	5247	2716	2095
MEAN	103	82.8	55.0	45.7	40.3	47.1	244	473	398	169	87.6	69.8
AC-FT	6340	4930	3380	2810	2240	2900	14520	29100	23690	10410	5390	4160
MAX	171	114	70	51	51	55	465	862	681	257	142	114
MIN	66	65	48	41	35	42	61	272	273	107	66	49

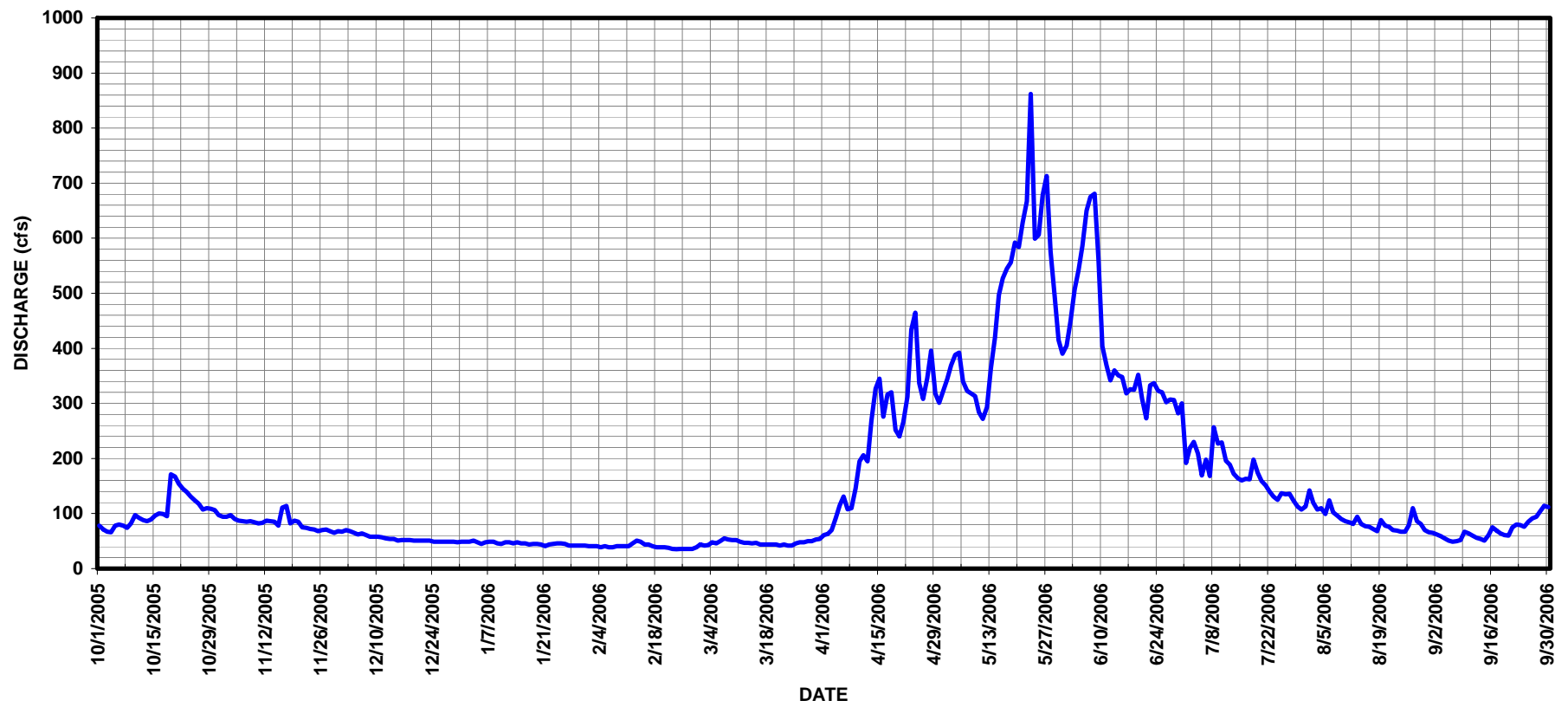
CAL YR	2005	TOTAL	47596	MEAN	130	MAX	828	MIN	25	AC-FT	94400
WTR YR	2006	TOTAL	55380	MEAN	152	MAX	862	MIN	35	AC-FT	109800

MAX DISCH: 1100 CFS AT 03:00 ON May 23, 2006 GH 4.34 FT. SHIFT -0.04 FT.

MAX GH: 4.34 FT. AT 03:00 ON May 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09080100 FRYINGPAN RIVER AT MEREDITH CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

09080300 ROCKY FORK CREEK NEAR MEREDITH, CO

LOCATION.--Lat 39°21'42", long 106°49'12", in NW¼NW¼ sec. 18, T.8 S., R.84 W., Pitkin County, Hydrologic Unit 14010004 on right bank at upstream end of flume constructed to carry Rocky Fork Creek across spillway to auxiliary outlet of Ruedi Dam on Fryingpan River and 4.6 mi west of Meredith, CO.

DRAINAGE AREA.--12.3 mi².

GAGE.--Graphic water-stage recorder and satellite monitoring shaft encoder in standard 42" corrugated metal pipe shelter and well. Satellite monitoring equipment owned and maintained by USBR. Recorder and shaft encoder are referenced to inside drop tape. Primary record is satellite data and chart record is used for backup. Control is v-notch, sharp crested weir. Elevation of gage is 7,494.50 ft.

REMARKS.--Record is complete and reliable, except for periods when the control was obstructed with debris: Jul 26-27, 2006, and when the well was frozen: Nov 28-Dec 31, 2005; Jan 1-Mar 23, 2006. Record is good, except for the winter period when the well freezes and the debris-obstructed period, where the record is fair. There are no diversions above the station. Station maintained and record developed by George Wear.

RATING TABLE.--RFCMERCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

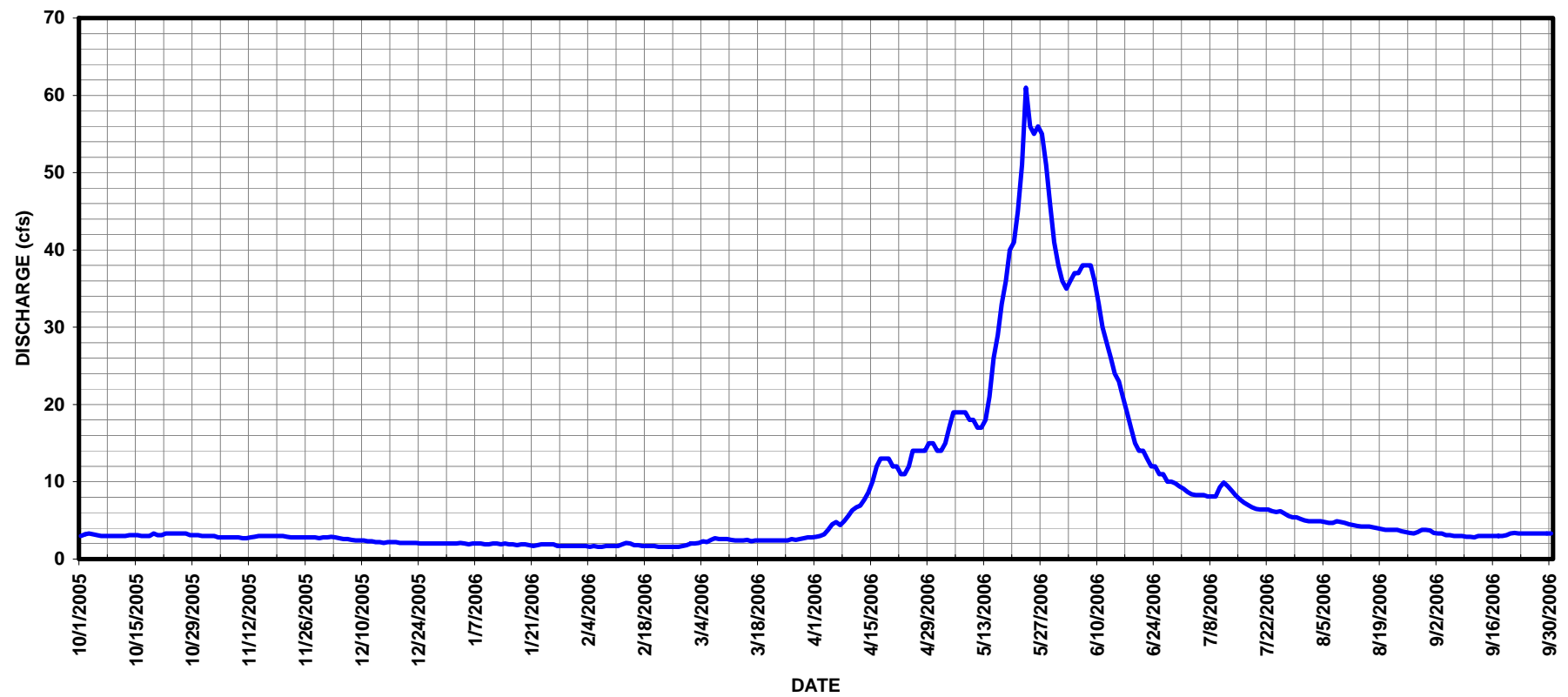
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	2.8	2.0	1.7	2.0	2.9	14	36	9.1	4.9	3.4
2	3.2	3.0	2.9	2.0	1.7	2.0	3.0	14	35	8.7	4.9	3.3
3	3.3	3.0	2.8	2.1	1.7	2.1	3.2	15	36	8.4	4.9	3.3
4	3.2	2.8	2.7	2.0	1.6	2.3	3.8	17	37	8.3	4.9	3.1
5	3.1	2.8	2.6	1.9	1.7	2.2	4.5	19	37	8.3	4.8	3.1
6	3.0	2.8	2.6	2.0	1.6	2.5	4.8	19	38	8.3	4.7	3.0
7	3.0	2.8	2.5	2.0	1.6	2.7	4.4	19	38	8.1	4.7	3.0
8	3.0	2.8	2.4	2.0	1.7	2.6	4.9	19	38	8.1	4.9	3.0
9	3.0	2.8	2.4	1.9	1.7	2.6	5.6	18	36	8.1	4.8	2.9
10	3.0	2.7	2.4	1.9	1.7	2.6	6.3	18	33	9.3	4.7	2.9
11	3.0	2.7	2.3	2.0	1.7	2.5	6.7	17	30	9.9	4.5	2.8
12	3.0	2.8	2.3	2.0	1.9	2.4	6.9	17	28	9.4	4.4	3.0
13	3.1	2.9	2.2	1.9	2.1	2.4	7.7	18	26	8.8	4.3	3.0
14	3.1	3.0	2.2	2.0	2.0	2.4	8.6	21	24	8.2	4.2	3.0
15	3.1	3.0	2.1	1.9	1.8	2.5	10	26	23	7.7	4.2	3.0
16	3.0	3.0	2.2	1.9	1.8	2.3	12	29	21	7.3	4.2	3.0
17	3.0	3.0	2.2	1.8	1.7	2.4	13	33	19	7.0	4.1	3.0
18	3.0	3.0	2.2	1.9	1.7	2.4	13	36	17	6.7	4.0	3.0
19	3.3	3.0	2.1	1.9	1.7	2.4	13	40	15	6.5	3.9	3.1
20	3.1	3.0	2.1	1.8	1.7	2.4	12	41	14	6.4	3.8	3.3
21	3.1	2.9	2.1	1.7	1.6	2.4	12	45	14	6.4	3.8	3.4
22	3.3	2.8	2.1	1.8	1.6	2.4	11	51	13	6.4	3.8	3.3
23	3.3	2.8	2.1	1.9	1.6	2.4	11	61	12	6.2	3.8	3.3
24	3.3	2.8	2.0	1.9	1.6	2.4	12	56	12	6.1	3.6	3.3
25	3.3	2.8	2.0	1.9	1.6	2.4	14	55	11	6.2	3.5	3.3
26	3.3	2.8	2.0	1.9	1.6	2.6	14	56	11	5.9	3.4	3.3
27	3.3	2.8	2.0	1.7	1.7	2.5	14	55	10	5.6	3.3	3.3
28	3.1	2.8	2.0	1.7	1.8	2.6	14	51	10	5.4	3.5	3.3
29	3.1	2.7	2.0	1.7	---	2.7	15	46	9.8	5.4	3.8	3.3
30	3.1	2.8	2.0	1.7	---	2.8	15	41	9.4	5.2	3.8	3.3
31	3.0	---	2.0	1.7	---	2.8	---	38	---	5.0	3.7	---
TOTAL	96.7	85.9	70.3	58.5	47.9	75.7	278.3	1005	693.2	226.4	129.8	94.3
MEAN	3.12	2.86	2.27	1.89	1.71	2.44	9.28	32.4	23.1	7.30	4.19	3.14
AC-FT	192	170	139	116	95	150	552	1990	1370	449	257	187
MAX	3.3	3.0	2.9	2.1	2.1	2.8	15	61	38	9.9	4.9	3.4
MIN	3.0	2.7	2.0	1.7	1.6	2.0	2.9	14	9.4	5.0	3.3	2.8

CAL YR	2005	TOTAL	2700	MEAN	7.40	MAX	57	MIN	1.6	AC-FT	5350
WTR YR	2006	TOTAL	2862	MEAN	7.84	MAX	61	MIN	1.6	AC-FT	5680

MAX DISCH: 64 CFS AT 01:15 ON May. 23, 2006 GH 1.41 FT. SHIFT 0.04 FT.
MAX GH: 1.41 FT. AT 01:15 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09080300 ROCKY FORK CREEK NEAR MEREDITH CO
WY2006 HYDROGRAPH



ROARING FORK RIVER BASIN

WEST DIVIDE CREEK NEAR RAVEN, CO

LOCATION.--Lat 39° 19'52", long 107° 34'46" in NE1/4 SW1/4 Sec. 29, T8S, R91W, Hydrologic Unit 14010004, Mesa County. Station is on left bank about 5 ft downstream of private road bridge (constructed in August and September 2006), 0.8 mi upstream of Brook Creek, 8 mi south of Raven, and 16 mi south of Silt.

DRAINAGE AREA.-- 64.6 mi². October 1955 to September 1999. Beginning October 1999, station operated seasonally by USGS. Seasonal operation of gage by Colorado Division of Water Resources began in November 2005. Gage at same site and datum since establishment.

GAGE.--Shaft encoder in corrugated metal well shelter (was replaced by Model 5600 AccuBubble sensor in Nov 2006) and Sutron Satlink 2 transmitter in external housing. Shaft encoder was referenced to inside drop tape from an adjustable reference point on the edge of the instrument shelf. Outside gage is a cantilevered wire weight gage that is adjacent to well. Cantilever gage was damaged by bridge construction in Aug and Sep 2006 and will be replaced in 2007. Satellite data is primary record.

REMARKS.--Record is complete and reliable for the period of operation (April 1- Sept 30, 2006), except for the month of September, when the station was isolated from the stream, due to the construction of a bridge immediately upstream. The CO DWR assumed operation of this gage in November 2005. The gage is operated on a seasonal basis, April 1- October 31. Record is good, except for the periods: May 19 to Jun 30 when a tree on the control caused varying backwater effects, which is fair; and the month of September, when bridge construction isolated the intake pipes from the stream, which is estimated and poor. Record includes trans-basin water diverted from Thompson Creek, Clear Fork, and Owens Creek. Station was maintained by George Wear and record was developed by James Kellogg. Diversion records were maintained by Steve Trexel.

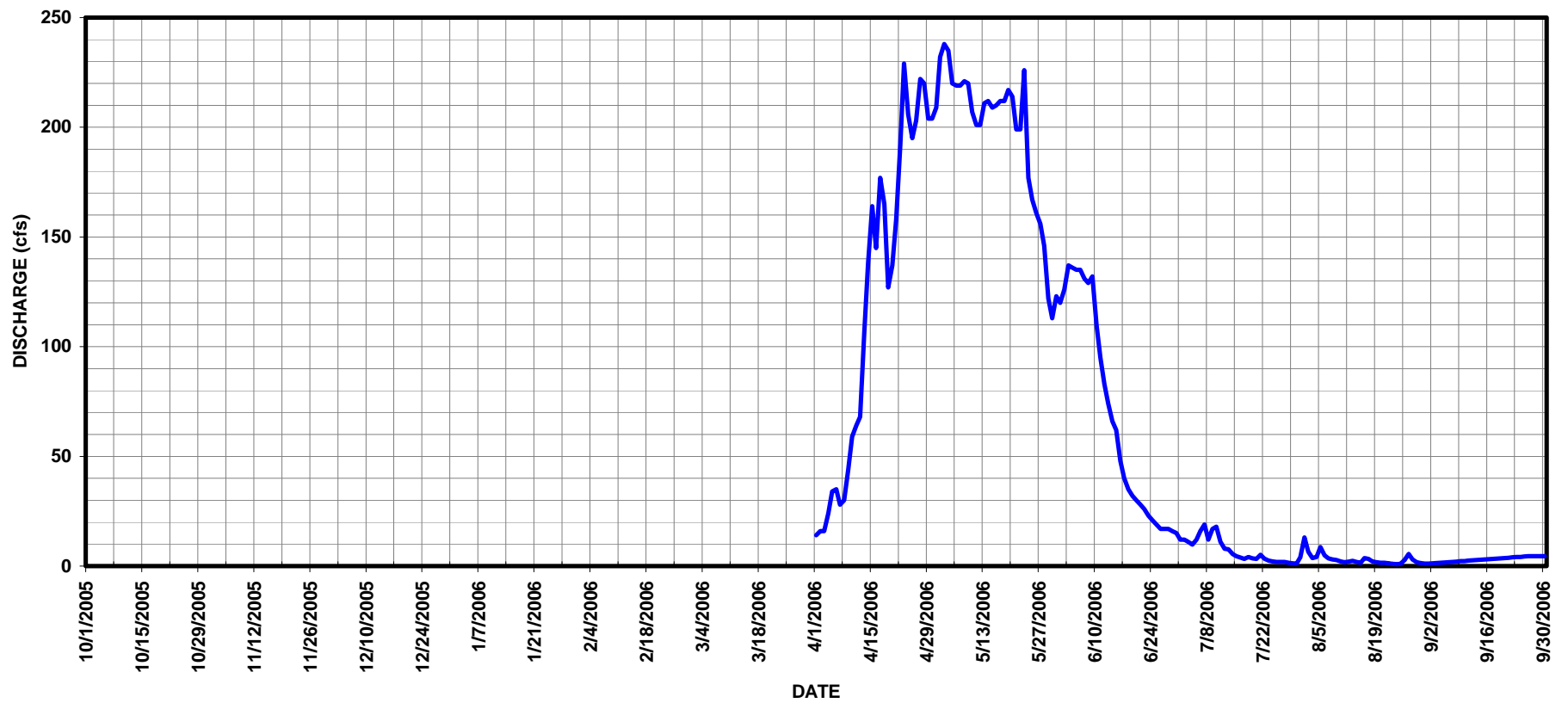
RATING TABLE.--WSDRAVCO12 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	14	209	120	12	13	1.1
2	---	---	---	---	---	---	16	232	126	12	6.5	1.2
3	---	---	---	---	---	---	16	238	137	11	3.7	1.4
4	---	---	---	---	---	---	24	235	136	9.8	4.2	1.5
5	---	---	---	---	---	---	34	220	135	12	8.7	1.6
6	---	---	---	---	---	---	35	219	135	16	4.9	1.8
7	---	---	---	---	---	---	28	219	131	19	3.5	1.9
8	---	---	---	---	---	---	30	221	129	12	3.0	2.0
9	---	---	---	---	---	---	44	220	132	17	2.8	2.2
10	---	---	---	---	---	---	59	207	110	18	2.1	2.3
11	---	---	---	---	---	---	64	201	95	11	1.7	2.5
12	---	---	---	---	---	---	68	201	83	7.9	2.0	2.6
13	---	---	---	---	---	---	106	211	74	7.7	2.4	2.7
14	---	---	---	---	---	---	138	212	66	5.5	1.9	2.9
15	---	---	---	---	---	---	164	209	62	4.5	1.5	3.0
16	---	---	---	---	---	---	145	210	48	3.9	3.7	3.1
17	---	---	---	---	---	---	177	212	40	3.3	3.3	3.3
18	---	---	---	---	---	---	165	212	35	4.1	2.1	3.4
19	---	---	---	---	---	---	127	217	32	3.5	1.7	3.5
20	---	---	---	---	---	---	137	214	30	3.3	1.5	3.7
21	---	---	---	---	---	---	158	199	28	5.2	1.5	3.8
22	---	---	---	---	---	---	192	199	26	3.4	1.2	4.0
23	---	---	---	---	---	---	229	226	23	2.5	1.0	4.1
24	---	---	---	---	---	---	206	177	21	2.1	.83	4.2
25	---	---	---	---	---	---	195	167	19	1.9	.97	4.4
26	---	---	---	---	---	---	203	161	17	1.9	2.8	4.5
27	---	---	---	---	---	---	222	156	17	1.9	5.5	4.5
28	---	---	---	---	---	---	220	146	17	1.5	3.0	4.5
29	---	---	---	---	---	---	204	122	16	1.3	1.8	4.5
30	---	---	---	---	---	---	204	113	15	1.1	1.4	4.5
31	---	---	---	---	---	---	---	123	---	4.0	1.1	---
TOTAL	---	---	---	---	---	---	3624	6108	2055	220.3	95.30	90.7
MEAN	---	---	---	---	---	---	121	197	68.5	7.11	3.07	3.02
AC-FT	---	---	---	---	---	---	7190	12120	4080	437	189	180
MAX	---	---	---	---	---	---	229	238	137	19	13	4.5
MIN	---	---	---	---	---	---	14	113	15	1.1	.83	1.1

WTR YR 2006 TOTAL 12193.3 MEAN 66.6 MAX 238 MIN .83 AC-FT 24190 (PARTIAL YEAR RECORD)
MAX DISCH: 294 CFS AT 19:30 ON Apr. 23, 2006 GH 4.13 FT. SHIFT 0.02 FT. DATUM CORR. 0.08 FT.
MAX GH: 4.41 FT. AT 21:45 ON May. 22, 2006 (BACKWATER FROM TREE ON CONTROL)

WEST DIVIDE CREEK NEAR RAVEN CO
WY2006 HYDROGRAPH



YAMPA RIVER BASIN

YAMPA RIVER ABOVE LAKE CATAMOUNT, CO

LOCATION.--Lat. 40°20'27", long. 106°48'29", (Blacktail Mountain, Colorado Quadrangle), SE1/4,SE1/4 in Section 33, T5N, R84W of the Sixth Principal Meridian in Routt County, at County Road 18C bridge.

DRAINAGE AREA.--361 sq mi (from topographic maps).

PERIOD OF RECORD.--Spot records from staff gage installed at current site and datum kept from April 1989 to October 2003 with some record dating back to 1978. Continuous records kept from October 2003 to present.

GAUGE.--High data rate Sutron Satlink logger with satellite telemetry and shaft encoder housed in a 42-inch diameter corrugated metal pipe shelter and stilling well. Stilling well equipped with two 1.5-inch intakes connected to risers. Shaft encoder referenced to inside staff gage (0.00 to 6.66 feet) located on the inside wall of the well. Approximate elevation of gage is 6880 ft (from topographic map).

REMARKS.--Primary record is hourly data developed from the DCP data log of 15-minute observations. Continuous gage height records were kept from October 1, 2005 to September 30, 2006. The record is complete and reliable except for the following days: November 29; December 5-6, 20-26, 30; January 2-7, 9-17, 21-27; and February 7-14, 17-18, 20-26 due to possible ice effect, and December 7-19 due to frozen stilling well resulting from heater malfunction. The record is good, except for the periods of estimated data: November 29; December 5-26, 30; January 2-7, 9-17, 21-27; February 7-14, 17-18, 20-26. These data points are considered fair. In addition, the record is considered fair during the peak discharge period because bridge measurements were rated fair and the rating is not well defined at high flows. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

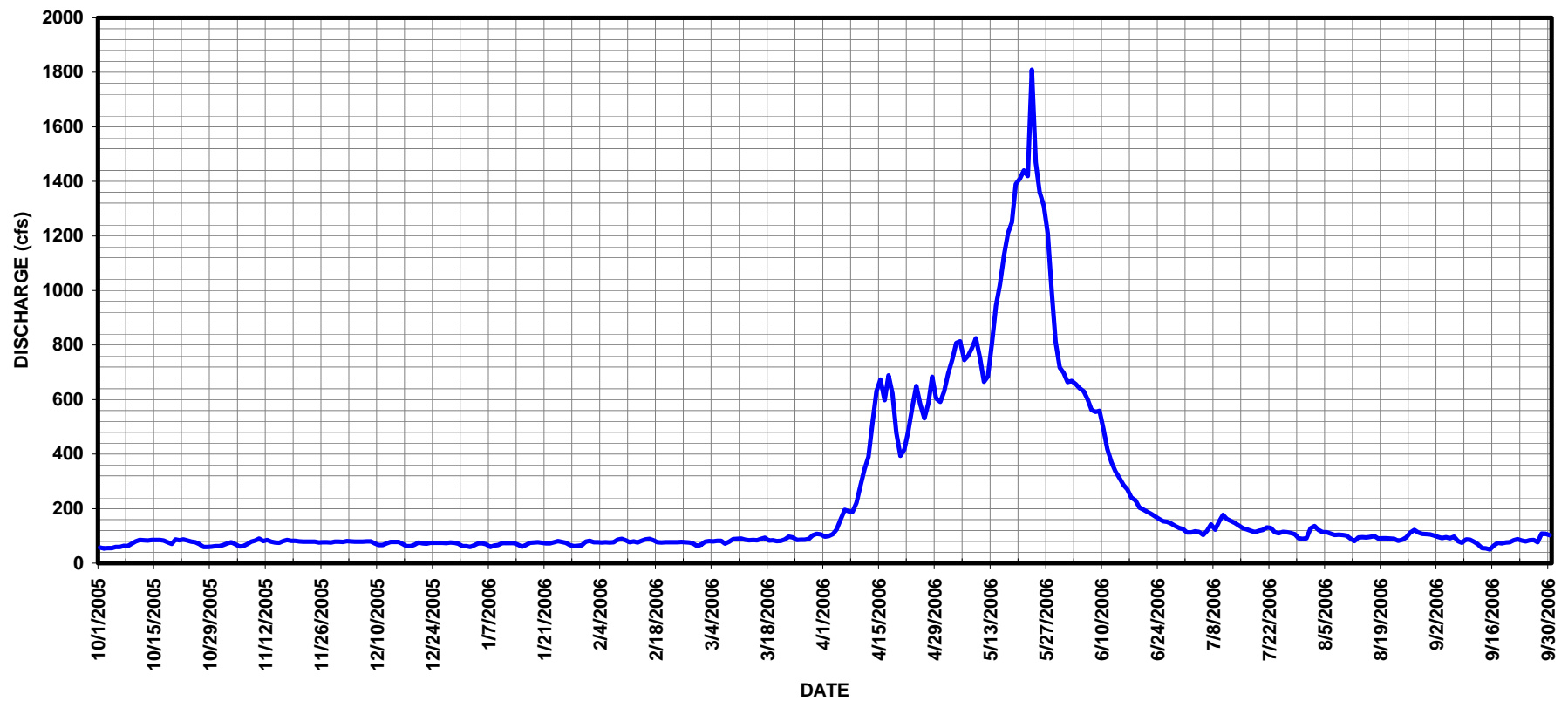
RATING TABLE.--YAMABVC010 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	67	78	62	82	69	97	630	664	113	128	101
2	54	73	81	59	77	79	99	695	668	113	136	96
3	55	77	80	66	77	81	106	747	657	117	122	92
4	55	70	79	73	76	80	124	808	642	115	114	95
5	59	61	79	73	77	82	160	814	631	103	114	91
6	59	62	79	70	76	82	196	745	601	119	109	97
7	63	70	80	59	77	72	190	761	562	142	103	81
8	62	79	80	64	86	79	188	789	555	123	104	75
9	72	83	73	67	89	88	221	825	559	153	103	87
10	80	90	67	74	84	89	287	751	492	177	101	86
11	85	81	67	74	77	90	345	665	419	162	90	79
12	84	85	73	74	80	86	390	685	369	155	81	70
13	83	79	78	74	76	84	519	811	337	147	94	55
14	85	76	78	68	82	85	632	945	313	138	95	54
15	85	75	78	60	87	84	674	1020	287	128	94	50
16	85	81	71	67	89	89	598	1130	270	124	96	64
17	83	85	62	75	84	93	689	1210	241	119	99	75
18	77	82	62	76	77	83	622	1250	230	114	90	73
19	71	82	68	77	76	84	478	1390	204	119	91	76
20	87	80	76	75	77	81	394	1410	197	122	91	77
21	84	79	73	73	77	82	417	1440	188	131	90	84
22	87	79	72	73	77	87	483	1420	180	129	89	88
23	83	79	75	77	77	97	574	1810	171	114	82	83
24	79	79	75	81	78	94	650	1470	162	110	86	80
25	77	76	75	78	77	85	583	1360	154	115	94	84
26	70	77	75	75	76	86	531	1310	151	114	112	85
27	59	77	74	67	72	86	585	1210	145	111	122	77
28	59	76	76	62	62	89	684	1000	136	106	113	108
29	60	79	75	63	---	102	604	814	129	91	107	107
30	62	79	72	66	---	107	592	718	125	89	106	102
31	62	---	62	79	---	105	---	698	---	91	105	---
TOTAL	2223	2318	2293	2181	2202	2680	12712	31331	10439	3804	3161	2472
MEAN	71.7	77.3	74.0	70.4	78.6	86.5	424	1011	348	123	102	82.4
AC-FT	4410	4600	4550	4330	4370	5320	25210	62150	20710	7550	6270	4900
MAX	87	90	81	81	89	107	689	1810	668	177	136	108
MIN	54	61	62	59	62	69	97	630	125	89	81	50
CAL YR	2005	TOTAL	60495	MEAN	166	MAX	1270	MIN	38	AC-FT	120000	
WTR YR	2006	TOTAL	77816	MEAN	213	MAX	1810	MIN	50	AC-FT	154300	

MAX DISCH: 2050 CFS AT 05:15 ON May. 23, 2006 GH 5.22 FT. SHIFT -0.1 FT. DATUM -0.02 FT.
MAX GH: 5.22 FT. AT 05:15 ON May. 23, 2006

YAMPA RIVER ABOVE LAKE CATAMOUNT CO
WY2006 HYDROGRAPH



YAMPA RIVER BASIN

09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS, CO

LOCATION.--Lat. 40°24'29", long. 106°47'11", (Steamboat Springs, Colorado, Quad., scale, 1:24,000), in SW1/4 of the NW1/4, in Section 11, T5N, R84W, (projected), Routt County, on left bank 0.4 miles downstream from Beaver Creek, 0.6 miles downstream from Storm King Creek, 4.5 miles upstream from its confluence with the Yampa River, and 6.0 miles southeast of Steamboat Springs.

DRAINAGE AREA.--42.4 sq mi (from topographic maps)

PERIOD OF RECORD.--1920 to 1922, State Engineer's Office; re-established 0.2 mile upstream 1965 to 1973, by USGS; re-established 1982 to 1987 by USGS at same datum; re-established by the State Engineer's Office in October of 1995, at the same datum as the USGS.

GAGE.--Stevens A-71 water stage recorder and Sutron 8200A data collection platform (DCP) with shaft encoder housed in a 6-ft X 42-inch corrugated metal shelter on a 6-ft X 42-inch metal well. Control is a concrete weir across stream. Approximate elevation of gage is 7,050 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the DCP with chart backup. Record was not kept during the winter period (November 2, 2005-April 20, 2006). The record is complete, reliable, and good, except for the following dates: November 1, 2005 (partial day when gage was shutdown for winter), and April 21-24, 2006 (stilling well frozen), which were estimated (using adjacent good data) and are considered fair; and May 3, May 7-8, and May 13-June 20, which are considered poor, and are periods when flows exceeded twice the highest measurement. This period also covers the time occurrence of the peak discharge, which is also considered poor. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

RATING TABLE.--WLTNCKCO08 USED FROM 01-OCT-2005 TO 30-SEP-2006

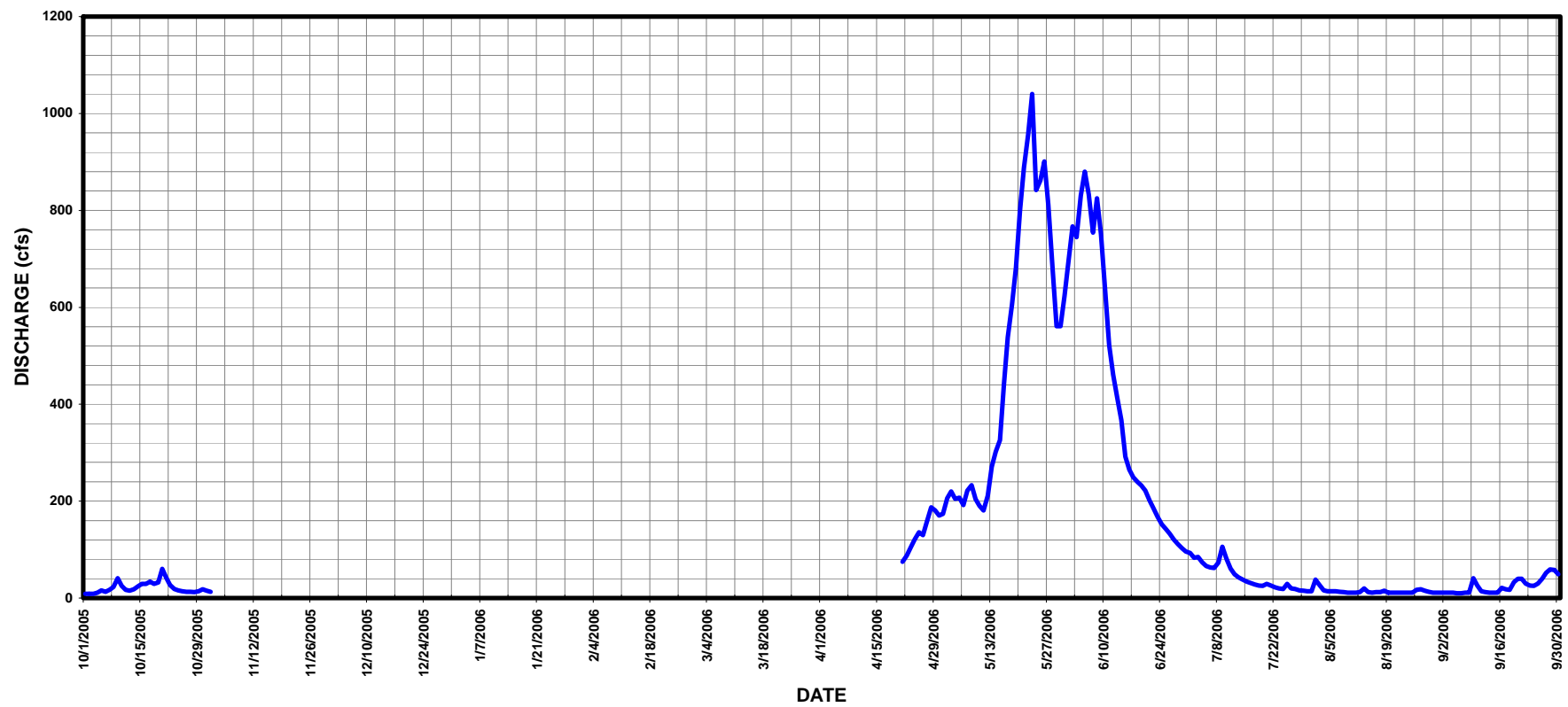
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	13	---	---	---	---	---	174	700	93	38	11
2	8.7	---	---	---	---	---	---	206	767	83	27	11
3	8.7	---	---	---	---	---	---	220	745	85	16	11
4	11	---	---	---	---	---	---	205	831	74	14	11
5	16	---	---	---	---	---	---	207	880	66	14	10
6	13	---	---	---	---	---	---	192	833	63	14	10
7	17	---	---	---	---	---	---	222	754	62	13	11
8	23	---	---	---	---	---	---	233	825	73	12	11
9	41	---	---	---	---	---	---	204	752	106	11	41
10	25	---	---	---	---	---	---	190	641	82	11	26
11	17	---	---	---	---	---	---	181	522	61	11	14
12	15	---	---	---	---	---	---	211	461	49	12	12
13	18	---	---	---	---	---	---	271	415	43	20	11
14	24	---	---	---	---	---	---	302	367	38	12	11
15	29	---	---	---	---	---	---	326	292	34	11	11
16	29	---	---	---	---	---	---	441	265	31	12	21
17	34	---	---	---	---	---	---	538	249	28	12	18
18	29	---	---	---	---	---	---	606	240	26	15	17
19	32	---	---	---	---	---	---	683	232	25	11	33
20	60	---	---	---	---	---	---	799	222	29	11	40
21	42	---	---	---	---	---	75	888	201	26	11	40
22	27	---	---	---	---	---	88	957	185	22	11	30
23	19	---	---	---	---	---	105	1040	168	20	11	26
24	16	---	---	---	---	---	121	842	152	19	11	25
25	14	---	---	---	---	---	136	862	143	29	11	30
26	13	---	---	---	---	---	130	901	133	20	17	40
27	13	---	---	---	---	---	158	811	121	19	18	52
28	12	---	---	---	---	---	187	680	111	16	15	59
29	14	---	---	---	---	---	181	561	103	15	13	58
30	18	---	---	---	---	---	170	561	96	14	11	49
31	15	---	---	---	---	---	---	623	---	14	11	---
TOTAL	662.1	13	---	---	---	---	1351	15137	12406	1365	437	750
MEAN	21.4	13.0	---	---	---	---	135	488	414	44.0	14.1	25.0
AC-FT	1310	26	---	---	---	---	2680	30020	24610	2710	867	1490
MAX	60	13	---	---	---	---	187	1040	880	106	38	59
MIN	8.7	13	---	---	---	---	75	174	96	14	11	10

CAL YR	2005	TOTAL	26749.5	MEAN	134	MAX	807	MIN	6.8	AC-FT	53040	(PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	32121.1	MEAN	165	MAX	1040	MIN	8.7	AC-FT	63710	(PARTIAL YEAR RECORD)

MAX DISCH: 1560 CFS AT 20:15 ON Jun. 8, 2006 GH 2.84 FT. SHIFT 0 FT. DATUM 0.01 FT.
MAX GH: 2.84 FT. AT 20:15 ON Jun. 8, 2006 DATUM 0.01 FT.

09238500 WALTON CREEK NEAR STEAMBOAT SPRINGS CO
WY2006 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR

LOCATION.--Lat. 40°36'48", Long. 106°05'05", (Gould, Colorado Quadrangle, 1955), SE1/4 of the SE1/4 in Section 36 T8N, R78W in Jackson County. Under bridge on County Road 30 about 700 feet upstream of its confluence with Peterson Creek.

DRAINAGE AREA.--Approximately 99 sq. mi.

PERIOD OF RECORD.--Formerly known as the Michigan River near Gould station and was relocated due to removal of bridge location. Station has been in operation at present location since 1997.

GAGE.--Sutron 8200A data collection platform with shaft encoder and satellite monitoring equipment. Stilling well is located at right bridge abutment, with an outside staff gage ranging from 0.00 to 6.66 feet located just to the left of the well. Approximate elevation gage is 8500 ft (from topographic map).

REMARKS.--Primary record is hourly data from the DCP. Continuous gage height records were kept from October 1 to November 17, 2005 and April 11 to September 30, 2006. Record was not kept during any ice-affected (winter) period. The record is complete and reliable except for the following days: November 15-17, 2005 when the float was frozen in ice in the stilling well; and August 15-24, 2006 due to sediment in the stilling well/shaft encoder sticking. The record is good, except for the periods November 15-17, 2005 and August 15-24, 2006, which are considered fair. The station was closed during the winter period: November 18, 2005 through April 10, 2006. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

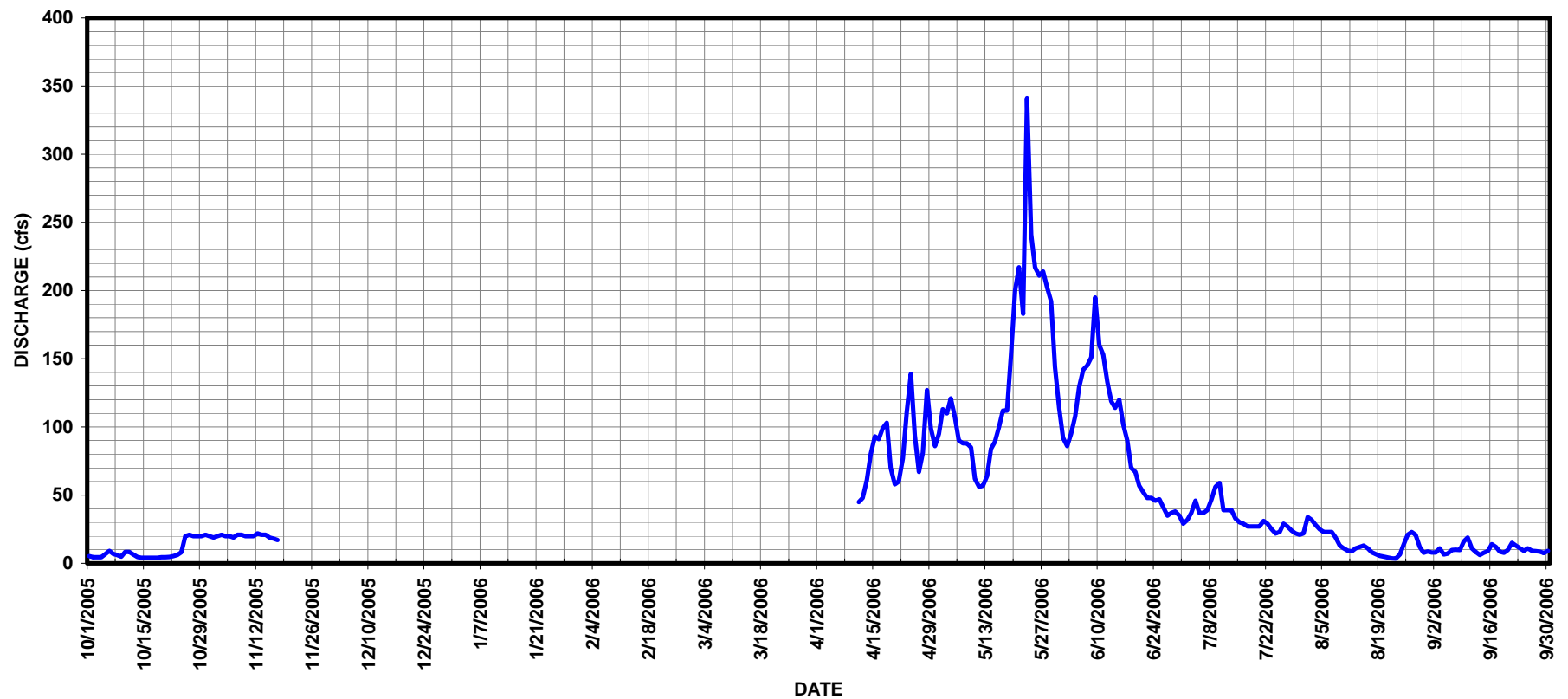
RATING TABLE.--MICMERC006 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	19	---	---	---	---	---	95	92	29	34	8.0
2	4.5	20	---	---	---	---	---	113	86	32	32	8.0
3	4.4	21	---	---	---	---	---	110	95	37	28	11
4	4.5	20	---	---	---	---	---	121	108	46	25	6.6
5	6.8	20	---	---	---	---	---	107	129	37	23	7.1
6	9.2	19	---	---	---	---	---	90	142	37	23	9.8
7	7.0	21	---	---	---	---	---	88	145	39	23	10
8	6.1	21	---	---	---	---	---	88	151	47	19	9.8
9	4.9	20	---	---	---	---	---	85	195	56	13	16
10	8.3	20	---	---	---	---	---	62	160	59	11	19
11	8.3	20	---	---	---	---	45	56	153	39	9.4	11
12	6.5	22	---	---	---	---	48	57	133	39	8.8	8.3
13	4.7	21	---	---	---	---	61	64	119	39	11	6.0
14	4.0	21	---	---	---	---	80	84	114	33	12	7.8
15	4.0	19	---	---	---	---	93	89	120	30	13	8.9
16	4.0	18	---	---	---	---	91	100	102	29	11	14
17	4.0	17	---	---	---	---	99	112	90	27	8.1	12
18	4.0	---	---	---	---	---	103	112	70	27	6.7	8.6
19	4.4	---	---	---	---	---	70	152	67	27	5.5	7.8
20	4.5	---	---	---	---	---	58	200	57	27	4.8	9.8
21	4.7	---	---	---	---	---	60	217	52	31	4.2	15
22	5.2	---	---	---	---	---	77	183	48	29	3.7	13
23	6.0	---	---	---	---	---	111	341	48	25	3.4	11
24	8.1	---	---	---	---	---	139	241	46	22	6.5	9.1
25	20	---	---	---	---	---	94	217	47	23	14	11
26	21	---	---	---	---	---	67	211	41	29	21	9.2
27	20	---	---	---	---	---	81	214	35	27	23	9.0
28	20	---	---	---	---	---	127	202	37	24	21	8.6
29	20	---	---	---	---	---	99	192	38	22	12	7.6
30	21	---	---	---	---	---	86	144	35	21	7.7	9.2
31	20	---	---	---	---	---	---	114	---	22	8.7	---
TOTAL	275.3	339	---	---	---	---	1689	4261	2755	1011	446.5	302.2
MEAN	8.88	19.9	---	---	---	---	84.4	137	91.8	32.6	14.4	10.1
AC-FT	546	672	---	---	---	---	3350	8450	5460	2010	886	599
MAX	21	22	---	---	---	---	139	341	195	59	34	19
MIN	4.0	17	---	---	---	---	45	56	35	21	3.4	6.0
CAL YR	2005	TOTAL	21019	MEAN	95.1	MAX	524	MIN	4.0	AC-FT	41700	(PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	11079	MEAN	50.1	MAX	341	MIN	3.4	AC-FT	21980	(PARTIAL YEAR RECORD)

MAX DISCH: 418 CFS AT 12:00 ON May. 23, 2006 GH 3.18 FT. SHIFT -0.09 FT.
MAX GH: 3.18 FT. AT 12:00 ON May. 23, 2006

06616500 MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR CO
WY2006 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06617100 MICHIGAN RIVER NEAR WALDEN, CO

LOCATION.--Lat. 40°44'27", Long. 106°16'54", (Walden, Colorado Quadrangle, 1955), NW1/4 NW1/4 in Section 21 T9N, R79W in Jackson County. Station was moved downstream approximately one-quarter of a mile to a location just upstream of the Highway 125 bridge in October 2004, on Jackson County property at Town of Walden Water Facility.

DRAINAGE AREA.--Approximately 182 sq. mi.

PERIOD OF RECORD.--Originally established by the USGS at a location believed to be just upstream of the present location in May 1904. Records kept by the USGS from May 1904 to October 1905 and May 1923 to October 1947. Re-established by the State Engineer's Office in May 2002. Records kept by the Town of Walden from 1916 to present.

GAGE.--Sutron shaft encoder and high data rate 8210 data collection platform (DCP) with satellite telemetry housed in a steel shelter mounted on top of a 24-inch diameter corrugated metal pipe stilling well with two two-inch diameter inlet pipes. Drop tape referenced to an RP on the instrument shelf was the primary reference gage until June 14, 2006, when an electric drop tape was installed, and has been the primary reference gage since that time.

REMARKS.--Primary record is 15-minute data from the DCP. Gage height records were kept from October 1 to November 17, 2005 and April 20 to September 30, 2006. Record was not kept during the winter. The record is complete and reliable except for November 15-17 (float frozen in the stilling well) and April 20-21 (shaft encoder problems during spring gage startup). The record is good except for November 15-17 and April 20-21, which are estimated and considered fair. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

RATING TABLE.--MICWLDC012 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

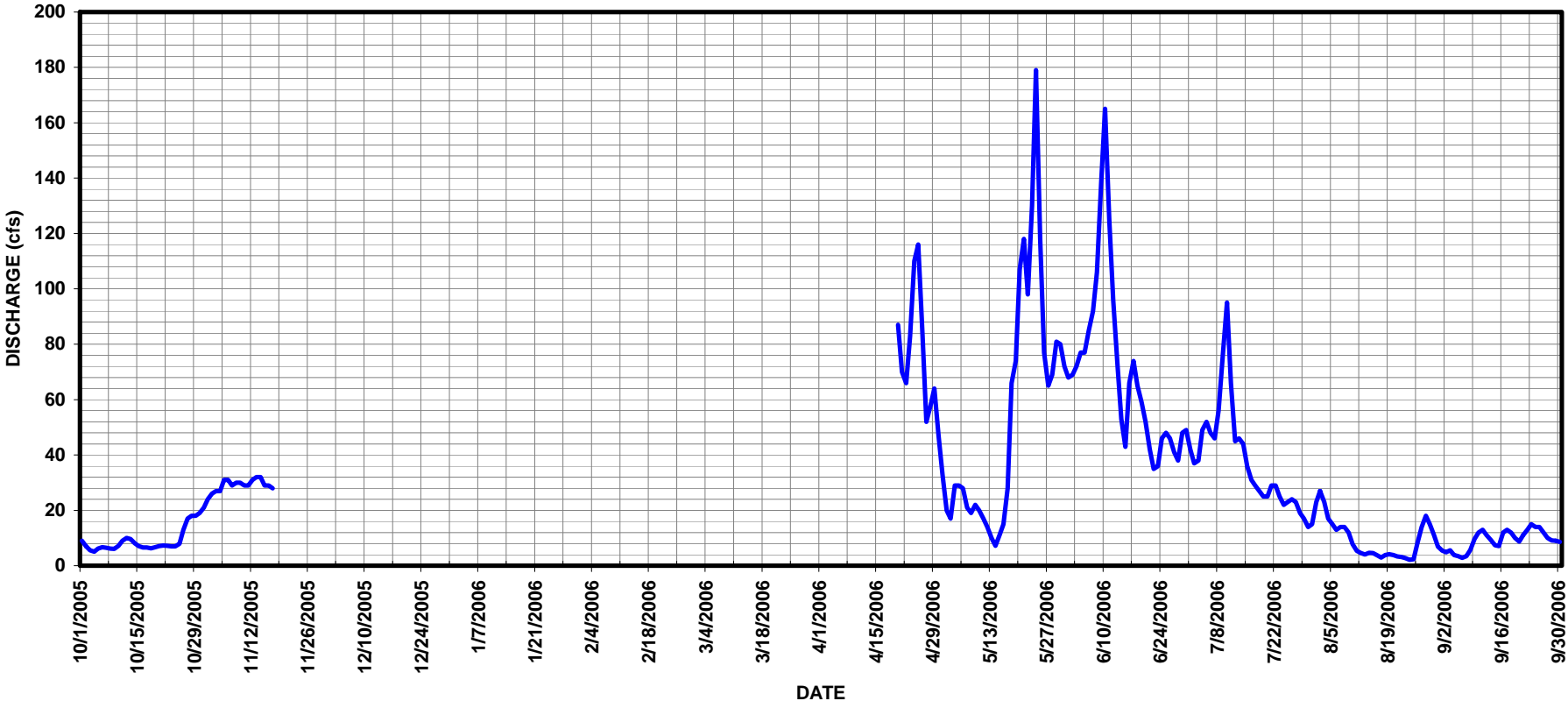
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	24	---	---	---	---	---	33	68	42	23	5.5
2	7.0	26	---	---	---	---	---	20	69	37	27	4.9
3	5.6	27	---	---	---	---	---	17	72	38	23	5.6
4	5.1	27	---	---	---	---	---	29	77	49	17	3.9
5	6.2	31	---	---	---	---	---	29	77	52	15	3.4
6	6.7	31	---	---	---	---	---	28	85	48	13	2.8
7	6.5	29	---	---	---	---	---	21	92	46	14	3.4
8	6.2	30	---	---	---	---	---	19	106	56	14	5.7
9	6.1	30	---	---	---	---	---	22	138	76	12	9.6
10	7.2	29	---	---	---	---	---	20	165	95	7.8	12
11	9.0	29	---	---	---	---	---	17	125	66	5.4	13
12	10	31	---	---	---	---	---	14	96	45	4.6	11
13	9.6	32	---	---	---	---	---	10	73	46	4.1	9.3
14	8.1	32	---	---	---	---	---	7.2	53	44	4.7	7.4
15	7.1	29	---	---	---	---	---	11	43	36	4.6	7.1
16	6.6	29	---	---	---	---	---	15	66	31	3.7	12
17	6.6	28	---	---	---	---	---	28	74	29	2.9	13
18	6.3	---	---	---	---	---	---	66	65	27	3.8	12
19	6.7	---	---	---	---	---	---	74	59	25	4.2	10
20	7.1	---	---	---	---	---	87	107	52	25	3.8	8.7
21	7.3	---	---	---	---	---	70	118	42	29	3.3	11
22	7.2	---	---	---	---	---	66	98	35	29	3.1	13
23	7.0	---	---	---	---	---	83	130	36	25	2.7	15
24	7.0	---	---	---	---	---	110	179	46	22	2.1	14
25	7.9	---	---	---	---	---	116	118	48	23	2.3	14
26	13	---	---	---	---	---	84	77	46	24	8.6	12
27	17	---	---	---	---	---	52	65	41	23	14	10
28	18	---	---	---	---	---	58	69	38	19	18	9.1
29	18	---	---	---	---	---	64	81	48	17	15	9.0
30	19	---	---	---	---	---	47	80	49	14	11	8.6
31	21	---	---	---	---	---	---	72	---	15	6.9	---
TOTAL	285.1	494	---	---	---	---	837	1674.2	2084	1153	294.6	276.0
MEAN	9.20	29.1	---	---	---	---	76.1	54.0	69.5	37.2	9.50	9.20
AC-FT	565	980	---	---	---	---	1660	3320	4130	2290	584	547
MAX	21	32	---	---	---	---	116	179	165	95	27	15
MIN	5.1	24	---	---	---	---	47	7.2	35	14	2.1	2.8

CAL YR	2005	TOTAL	17641	MEAN	83.6	MAX	506	MIN	3.9	AC-FT	34990 (PARTIAL YEAR RECORD)
WTR YR	2006	TOTAL	7097.9	MEAN	33.5	MAX	179	MIN	2.1	AC-FT	14080 (PARTIAL YEAR RECORD)

MAX DISCH: 200 CFS AT 12:30 ON May. 24, 2006 GH 2.21 FT. SHIFT 0.07 FT. DATUM 0.01 FT.

MAX GH: 2.21 FT. (DATUM 0.01 FT.) AT 12:30 ON May. 24, 2006

06617100 MICHIGAN RIVER NEAR WALDEN CO
WY2006 HYDROGRAPH



NORTH PLATTE RIVER BASIN

06617500 ILLINOIS RIVER NEAR RAND, CO

LOCATION.--Lat. 40°27'45", Long. 106°10'30", (Rand Quadrangle, 1956), in SW1/4 of the NE1/4 of Section 29, T6N, R78W in Jackson County, on right upstream bridge abutment on Jackson County Road 27.

DRAINAGE AREA.--Approximately 70.6 sq. mi. (from topographic maps).

PERIOD OF RECORD.--Established by the State Engineer's Office. Formerly published as Illinois Creek near Rand (1931-1940) at similar location. Hydrographic measurements taken in 1981 and 1985, but no records were kept. Records kept from 1987 to present. Records published in 1995 and 2002 through the present.

GAGE.--Shaft encoder housed in a metal box on top of 12-inch diameter well with 1-inch diameter pipe protruding from well into the water. The well is located upstream of right bridge abutment with outside staff located just to the left on abutment. Shaft encoder is connected to a Sutron 8200A data collection platform (DCP) with satellite telemetry located several meters back from the channel bank in a grey housing box. Approximate elevation of gage is 8550 feet.

REMARKS.--Primary record is hourly data from the DCP. Continuous gage height records were kept from October 1 through November 17, 2005 and April 11 to September 30, 2006. Record was not kept during the winter: November 18 through April 10. The record is complete and reliable except for the following days: November 15 and 16 due to possible ice effect; and, September 19 through 30 due to equipment malfunction. The record is good, except for November 15-16 due to possible ice effect, and September 19-30 due to equipment malfunction. Both periods are considered fair. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

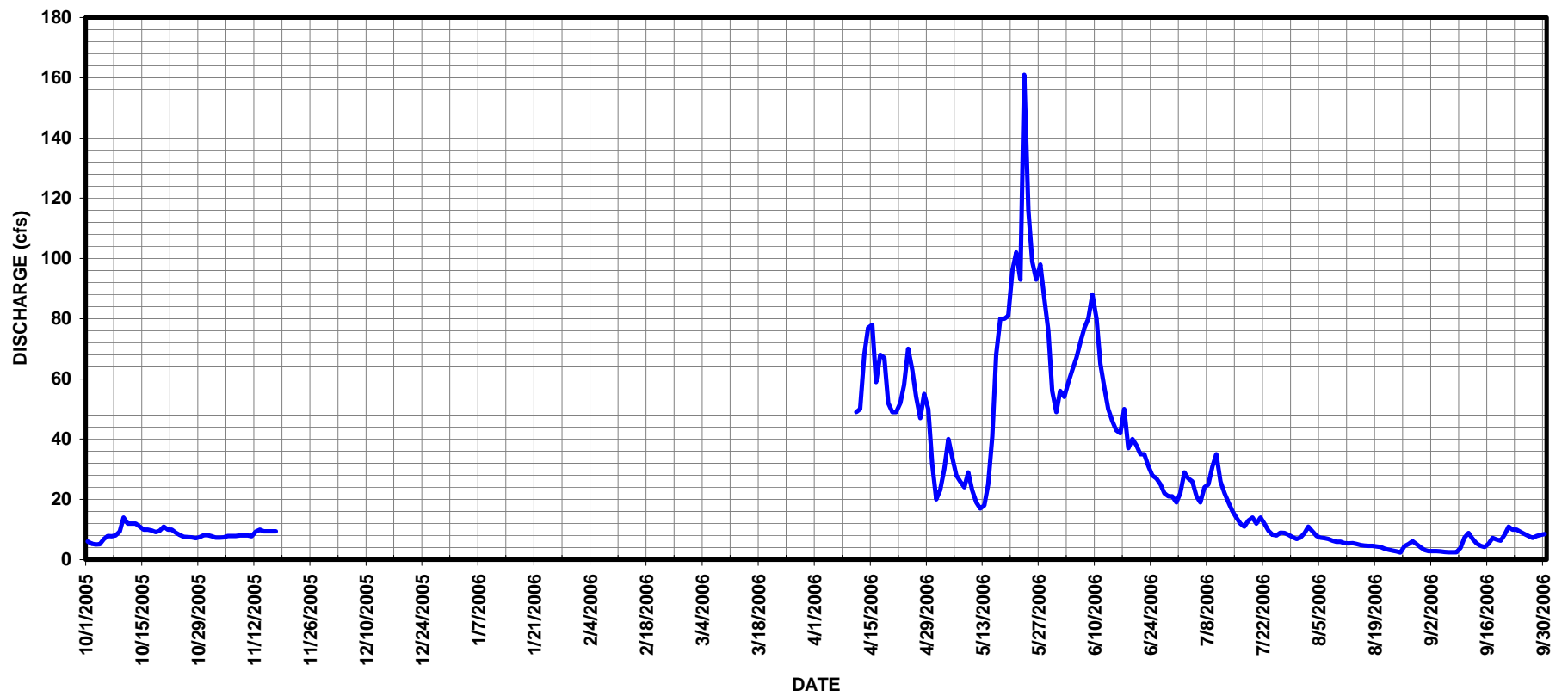
RATING TABLE.--ILLRANCO04 USED FROM 01-OCT-2005 TO 17-NOV-2005
ILLRANCO05 USED FROM 11-APR-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	7.8	-	-	-	-	-	20	56	22	8.8	2.8
2	5.3	7.3	-	-	-	-	-	23	54	29	11	2.8
3	5.0	7.3	-	-	-	-	-	30	59	27	9.4	2.8
4	5.1	7.4	-	-	-	-	-	40	63	26	7.9	2.7
5	6.9	7.9	-	-	-	-	-	34	67	21	7.3	2.6
6	7.9	7.9	-	-	-	-	-	28	72	19	7.1	2.5
7	7.8	7.9	-	-	-	-	-	26	77	24	6.9	2.5
8	8.0	8.0	-	-	-	-	-	24	80	25	6.3	2.5
9	9.3	8.0	-	-	-	-	-	29	88	31	5.9	3.9
10	14	8.0	-	-	-	-	-	23	80	35	5.9	7.3
11	12	7.8	-	-	-	-	49	19	65	26	5.5	8.9
12	12	9.3	-	-	-	-	50	17	57	22	5.4	6.9
13	12	10	-	-	-	-	68	18	50	19	5.5	5.4
14	11	9.4	-	-	-	-	77	25	46	16	5.2	4.6
15	10	9.4	-	-	-	-	78	41	43	14	4.8	4.2
16	10	9.4	-	-	-	-	59	68	42	12	4.7	5.3
17	9.7	9.4	-	-	-	-	68	80	50	11	4.6	7.2
18	9.1	-	-	-	-	-	67	80	37	13	4.6	6.7
19	9.6	-	-	-	-	-	52	81	40	14	4.4	6.3
20	11	-	-	-	-	-	49	96	38	12	4.2	8.2
21	10	-	-	-	-	-	49	102	35	14	3.7	11
22	10	-	-	-	-	-	52	93	35	12	3.3	10
23	9.0	-	-	-	-	-	58	161	31	9.6	3.0	10
24	8.2	-	-	-	-	-	70	116	28	8.3	2.7	9.2
25	7.6	-	-	-	-	-	63	99	27	8.0	2.4	8.5
26	7.5	-	-	-	-	-	54	93	25	9.0	4.5	7.9
27	7.4	-	-	-	-	-	47	98	22	8.9	5.2	7.2
28	7.1	-	-	-	-	-	55	87	21	8.2	6.1	7.9
29	7.5	-	-	-	---	-	50	76	21	7.5	5.1	8.2
30	8.1	-	-	-	---	-	32	56	19	6.9	4.1	8.5
31	8.1	---	-	-	---	-	---	49	---	7.3	3.2	---
TOTAL	272.2	142.2	-	-	-	-	1147	1832	1428	517.7	168.7	184.5
MEAN	8.78	8.36	-	-	-	-	57.4	59.1	47.6	16.7	5.44	6.15
AC-FT	540	282	-	-	-	-	2280	3630	2830	1030	335	366
MAX	14	10	-	-	-	-	78	161	88	35	11	11
MIN	5.0	7.3	-	-	-	-	32	17	19	6.9	2.4	2.5

CAL YR 2005 TOTAL 14150 MEAN 64.6 MAX 371 MIN 3.3 AC-FT 28070 (PARTIAL YEAR RECORD)
WTR YR 2006 TOTAL 5692.3 MEAN 25.8 MAX 161 MIN 2.4 AC-FT 11290 (PARTIAL YEAR RECORD)
MAX DISCH: 207 CFS AT 12:00 ON May 23, 2006 GH 2.59 FT. SHIFT -0.03 FT.
MAX GH: 2.59 FT. AT 12:00 ON May 23, 2006

06617500 ILLINOIS RIVER NEAR RAND CO
WY2006 HYDROGRAPH



YAMPA RIVER BASIN

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO

LOCATION.--Lat. 40°26'14", long. 107°38'50", in SE1/4 of the NW1/4 of Section 31, T6N, R91W, Moffat County, Hydrologic Unit 14050001, on left bank at coal mine service road crossing, 2,300 ft upstream from confluence with Yampa River, 6.1 mi north-northeast of Hamilton, and 8 mi south-southwest of Craig, CO.

DRAINAGE AREA.--419 sq mi.

PERIOD OF RECORD.--Gage established and operated by USGS February 1, 1984 to September 30, 2001. Gage re-established by State Engineer's Office April 26, 2005.

GAGE.--High data rate Sutron SatLink Logger with satellite telemetry and Sutron Accubar powered by a solar recharged 12-volt battery housed in a 6-foot square shelter over a 4-foot culvert well (no longer in use). Outside gage is a wire weight gage mounted on the upstream side of the bridge almost directly above the orifice. Approximate elevation of gage is 6170 ft (from topographic map).

REMARKS.--Primary record is 15-minute data from the data collection platform. Continuous gage height records were kept from October 1 through September 30, 2006. The record is complete, reliable, and good, except for the following days, which are considered fair: January 20 through February 24 and April 12 through May 1 due to low/empty nitrogen tank, tank change, and site feed assembly problems; and, October 4 through November 4, July 3 through July 13, and August 13 through August 17 due to possible sediment deposition on orifice. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

RATING TABLE.--WMFKMHCO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

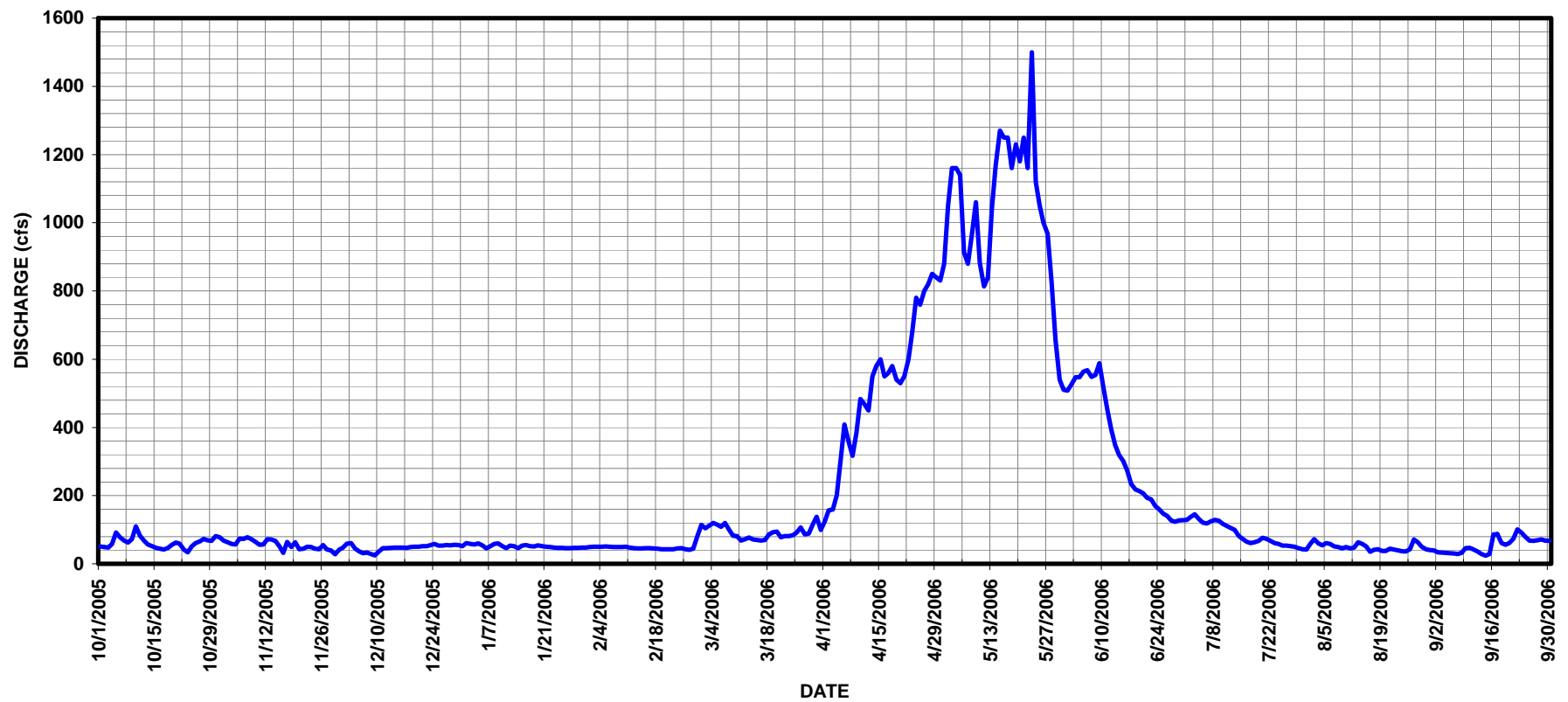
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	68	48	61	49	114	124	880	508	129	58	39
2	49	63	59	58	50	104	157	1050	526	138	72	34
3	48	58	61	57	50	112	159	1160	547	145	60	33
4	58	57	45	60	50	120	201	1160	547	131	54	32
5	92	74	37	54	51	115	305	1140	564	121	61	31
6	78	73	31	45	50	108	409	913	568	118	58	30
7	68	78	33	52	49	120	358	880	548	125	51	29
8	62	72	29	58	49	99	317	971	554	129	49	32
9	72	65	25	60	49	82	385	1060	588	126	45	46
10	110	56	36	52	50	81	483	882	519	117	49	47
11	82	57	46	46	48	68	468	813	450	111	45	42
12	68	72	46	53	46	72	450	839	394	105	48	36
13	57	71	47	52	45	77	550	1040	348	99	63	29
14	52	67	48	46	45	71	580	1170	319	82	58	24
15	47	52	48	53	46	70	600	1270	301	73	51	29
16	44	32	48	55	46	68	550	1250	273	65	35	86
17	42	64	47	52	45	70	560	1250	235	61	41	87
18	47	49	49	51	44	86	580	1160	218	63	43	61
19	56	63	50	54	43	93	540	1230	213	67	38	56
20	62	43	50	52	43	94	530	1180	207	76	38	61
21	59	44	52	50	43	78	550	1250	194	73	44	74
22	42	50	52	49	43	81	600	1160	189	67	42	101
23	34	49	55	48	45	81	680	1500	170	61	39	92
24	51	44	58	47	46	84	780	1120	160	58	37	80
25	61	43	53	47	43	92	760	1050	148	53	36	68
26	66	55	53	46	41	107	800	1000	140	53	43	67
27	73	42	55	46	44	86	820	967	127	52	71	69
28	69	39	54	47	82	89	850	827	123	50	63	71
29	67	28	56	47	---	115	840	658	127	46	50	68
30	81	41	55	48	---	138	830	540	128	43	43	67
31	78	---	52	48	---	99	---	510	---	42	40	---
TOTAL	1926	1669	1478	1594	1335	2874	15816	31880	9933	2679	1525	1621
MEAN	62.1	55.6	47.7	51.4	47.7	92.7	527	1028	331	86.4	49.2	54.0
AC-FT	3820	3310	2930	3160	2650	5700	31370	63230	19700	5310	3020	3220
MAX	110	78	61	61	82	138	850	1500	588	145	72	101
MIN	34	28	25	45	41	68	124	510	123	42	35	24

WTR YR 2006 TOTAL 74330 MEAN 204 MAX 1500 MIN 24 AC-FT 147400

MAX DISCH: 1850 CFS AT 11:00 ON May. 23, 2006 GH 6.81 FT. SHIFT -0.01 FT. DATUM -0.01 FT.
MAX GH: 6.81 FT. AT 11:00 ON May. 23, 2006

09249750 WILLIAMS FORK AT MOUTH NEAR HAMILTON CO
WY2006 HYDROGRAPH



GREEN RIVER BASIN

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT

LOCATION.--Lat. 40°40'25", long. 109°03'03", (Hoy Mountain, Utah-Colorado Quadrangle), in Section 1, T2S, R25E Salt Lake Meridian in Daggett County, on left bank approximately 0.2 miles upstream from the Utah-Colorado state line.

DRAINAGE AREA.--107sq mi (from topographic maps)

PERIOD OF RECORD.--Established September 1, 1957 by the USGS; USGS discontinued site September 30, 1982; re-established Summer 1983 by the State Engineer's Office. Staff gage installed inside well by USGS. Two outside staff gages, one on each bank, installed by State Engineer's Office.

GAGE.--Stevens A-71 chart recorder and shaft encoder connected to a high data rate Sutron Satlink data logger with satellite telemetry in a 42-inch diameter corrugated metal well on left bank. Well is equipped with two 2-inch intakes with standard inside flushing devices. SatLink data logger is housed in a gray housing box attached to the side of the stilling well. Outside staff gages located on right and left banks with range of 0.00 to 3.33 ft and third staff mounted on inside of well.

REMARKS.--Primary record is hourly data developed from the DCP data log of 15-minute observations. Continuous gage height records were kept from October 1, 2005 through September 30, 2006. The record is complete and reliable. Several 15-minute data points were missing from the satellite data on December 20 and 21 and January 17 and 18, 2006, which coincide with the no flow period at the site. Missing values, therefore, were assumed to be zero. The record is considered good throughout the record period and no discharges were estimated during the flow period. Station maintained by Erin Light and Jean Ray, and record developed by Jean Ray.

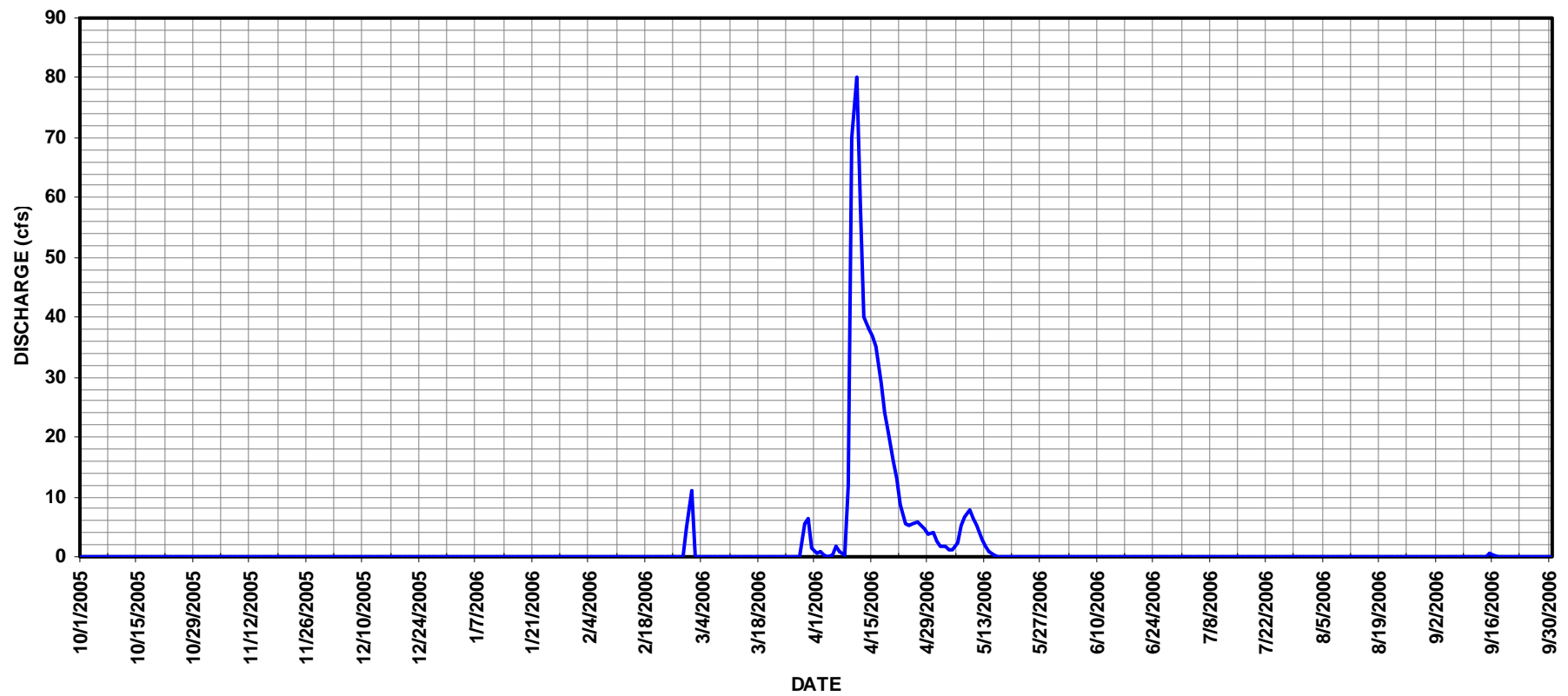
RATING TABLE.--PTCKSLCO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	11	.61	2.5	0	0	0	0
2	0	0	0	0	0	.09	.75	1.8	0	0	0	0
3	0	0	0	0	0	0	.18	1.6	0	0	0	0
4	0	0	0	0	0	0	0	1.2	0	0	0	0
5	0	0	0	0	0	0	.32	1.1	0	0	0	0
6	0	0	0	0	0	0	1.6	2.4	0	0	0	0
7	0	0	0	0	0	0	.83	5.2	0	0	0	0
8	0	0	0	0	0	0	.25	6.8	0	0	0	0
9	0	0	0	0	0	0	12	7.8	0	0	0	0
10	0	0	0	0	0	0	70	6.4	0	0	0	0
11	0	0	0	0	0	0	80	5.1	0	0	0	0
12	0	0	0	0	0	0	59	2.9	0	0	0	0
13	0	0	0	0	0	0	40	1.8	0	0	0	0
14	0	0	0	0	0	0	38	1.0	0	0	0	0
15	0	0	0	0	0	0	37	.36	0	0	0	.58
16	0	0	0	0	0	0	35	.07	0	0	0	.22
17	0	0	0	0	0	0	29	0	0	0	0	0
18	0	0	0	0	0	0	24	0	0	0	0	0
19	0	0	0	0	0	0	21	0	0	0	0	0
20	0	0	0	0	0	0	16	0	0	0	0	0
21	0	0	0	0	0	0	13	0	0	0	0	0
22	0	0	0	0	0	0	8.8	0	0	0	0	0
23	0	0	0	0	0	0	5.5	0	0	0	0	0
24	0	0	0	0	0	0	5.2	0	0	0	0	0
25	0	0	0	0	0	.06	5.5	0	0	0	0	0
26	0	0	0	0	0	0	5.8	0	0	0	0	0
27	0	0	0	0	0	0	5.3	0	0	0	0	0
28	0	0	0	0	4.9	0	4.6	0	0	0	0	0
29	0	0	0	0	---	5.5	3.8	0	0	0	0	0
30	0	0	0	0	---	6.4	4.0	0	0	0	0	0
31	0	---	0	0	---	1.4	---	0	---	0	0	---
TOTAL	0	0	0	0	4.9	24.45	527.04	48.03	0	0	0	.80
MEAN	0	0	0	0	.17	.79	17.6	1.55	0	0	0	.027
AC-FT	0	0	0	0	9.7	48	1050	95	0	0	0	1.6
MAX	0	0	0	0	4.9	11	80	7.8	0	0	0	.58
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 2005 TOTAL 275.52 MEAN 0.75 MAX 15 MIN 0 AC-FT 546
WTR YR 2006 TOTAL 605.22 MEAN 1.66 MAX 80 MIN 0 AC-FT 1200
MAX DISCH: 87.1 CFS AT 22:30 ON Apr. 10, 2006 GH 2.4 FT. SHIFT 0.03 FT.
MAX GH: 2.4 FT. AT 22:30 ON Apr. 10, 2006

POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL UT
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

DOLORES TUNNEL OUTLET NEAR DOLORES, CO

LOCATION.--Lat 37°28'00", long 108°32'30", in SW¼SE¼ sec. 18, T. 37 N., R.15 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a concrete shelter and well at a 15 foot Parshall flume.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the Dolores Conservancy District and record developed by Brian Boughton.

RATING TABLE.--DOLTUNCO02 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

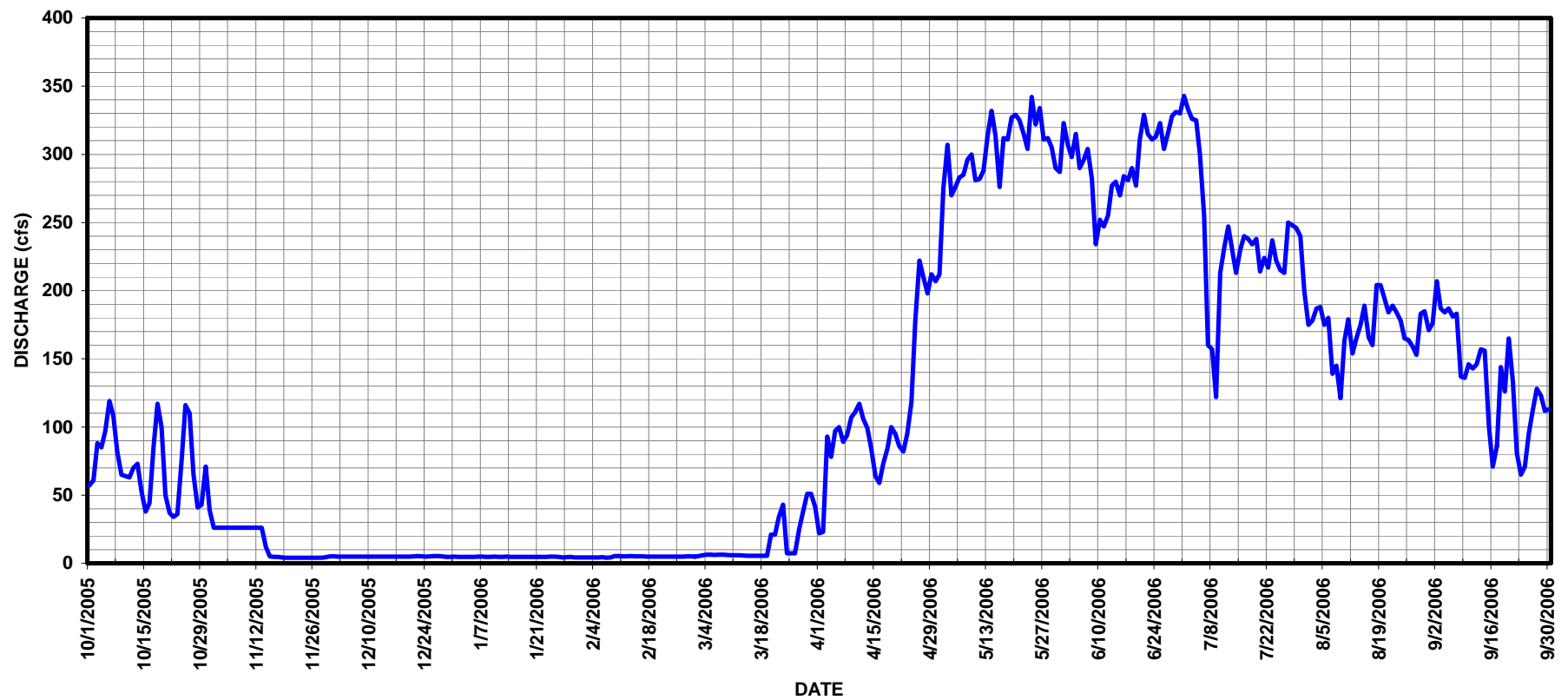
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	26	5.1	4.7	4.3	4.9	22	212	323	343	175	176
2	61	26	4.9	4.6	4.3	5.4	23	275	307	333	178	207
3	88	26	4.9	4.6	4.3	6.0	93	307	298	326	187	187
4	85	26	4.9	4.6	4.3	6.3	78	270	315	325	188	184
5	97	26	4.9	4.7	4.3	6.3	97	276	290	300	175	187
6	119	26	4.9	4.9	4.4	6.2	100	283	296	255	180	181
7	108	26	4.9	4.9	4.0	6.3	89	285	304	160	139	183
8	82	26	4.9	4.6	4.2	6.3	94	296	282	157	145	137
9	65	26	4.9	4.7	5.4	6.1	107	300	234	122	121	136
10	64	26	4.9	4.8	5.2	5.9	111	281	252	213	163	146
11	63	26	4.9	4.6	5.1	5.9	117	282	247	231	179	143
12	70	26	4.9	4.6	5.1	5.9	106	288	255	247	154	146
13	73	26	4.9	4.8	5.2	5.7	99	314	277	230	165	157
14	53	12	4.9	4.7	5.1	5.5	84	332	280	213	175	156
15	38	5.1	4.9	4.6	5.0	5.5	64	314	270	230	189	101
16	44	4.7	4.9	4.6	5.0	5.5	59	276	284	240	166	71
17	86	4.6	4.9	4.6	4.9	5.5	73	312	281	238	160	86
18	117	4.3	4.9	4.6	4.9	5.5	84	311	290	234	204	144
19	100	4.0	4.9	4.6	4.9	5.5	100	327	277	238	204	126
20	50	4.0	4.9	4.6	4.9	21	95	329	311	214	194	165
21	37	4.0	5.0	4.6	4.9	21	86	325	329	224	184	133
22	34	4.0	5.2	4.6	4.9	34	82	315	315	217	189	81
23	36	4.0	5.0	4.7	4.9	43	95	304	311	237	184	65
24	75	4.0	4.9	4.9	4.9	7.4	118	342	313	222	178	71
25	116	4.0	5.1	4.8	4.9	7.4	178	322	323	215	165	95
26	110	4.0	5.2	4.6	4.9	7.4	222	334	304	213	164	113
27	65	4.0	5.2	4.3	5.0	25	210	311	316	250	159	128
28	41	4.0	5.1	4.5	5.1	38	198	312	328	248	153	123
29	43	4.5	4.7	4.6	---	51	212	305	331	246	183	112
30	71	5.0	4.6	4.3	---	51	207	290	330	240	185	113
31	39	---	4.9	4.3	---	41	---	287	---	200	171	---
TOTAL	2187	418.2	153.1	143.6	134.3	457.4	3303	9317	8873	7361	5356	4053
MEAN	70.5	13.9	4.94	4.63	4.80	14.8	110	301	296	237	173	135
AC-FT	4340	829	304	285	266	907	6550	18480	17600	14600	10620	8040
MAX	119	26	5.2	4.9	5.4	51	222	342	331	343	204	207
MIN	34	4.0	4.6	4.3	4.0	4.9	22	212	234	122	121	65

CAL YR	2005	TOTAL	40084.1	MEAN	110	MAX	353	MIN	4.0	AC-FT	79510
WTR YR	2006	TOTAL	41756.6	MEAN	114	MAX	343	MIN	4.0	AC-FT	82820

MAX DISCH: 413 CFS AT 13:30 ON May. 11, 2006 GH 3.33 FT. SHIFT 0 FT.
MAX GH: 3.33 FT. AT 13:30 ON May. 11, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DOLORES TUNNEL OUTLET NEAR DOLORES CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO

LOCATION.--Lat 37°30'24", long 108°35'28", in NW¼SW¼ sec. 35, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--N/A

GAGE.--Sutron 8200 DCP in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Record is complete and reliable, except for the following days when one leg of wire from the shaft encoder to the DCP was out due to a blown fuse: Oct 1-11, 2005. Record good, except for period of missing data due to blown fuse, which are poor. Station maintained by the Dolores Conservancy District and record developed by Brian Boughton.

RATING TABLE.--MVIDIVCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

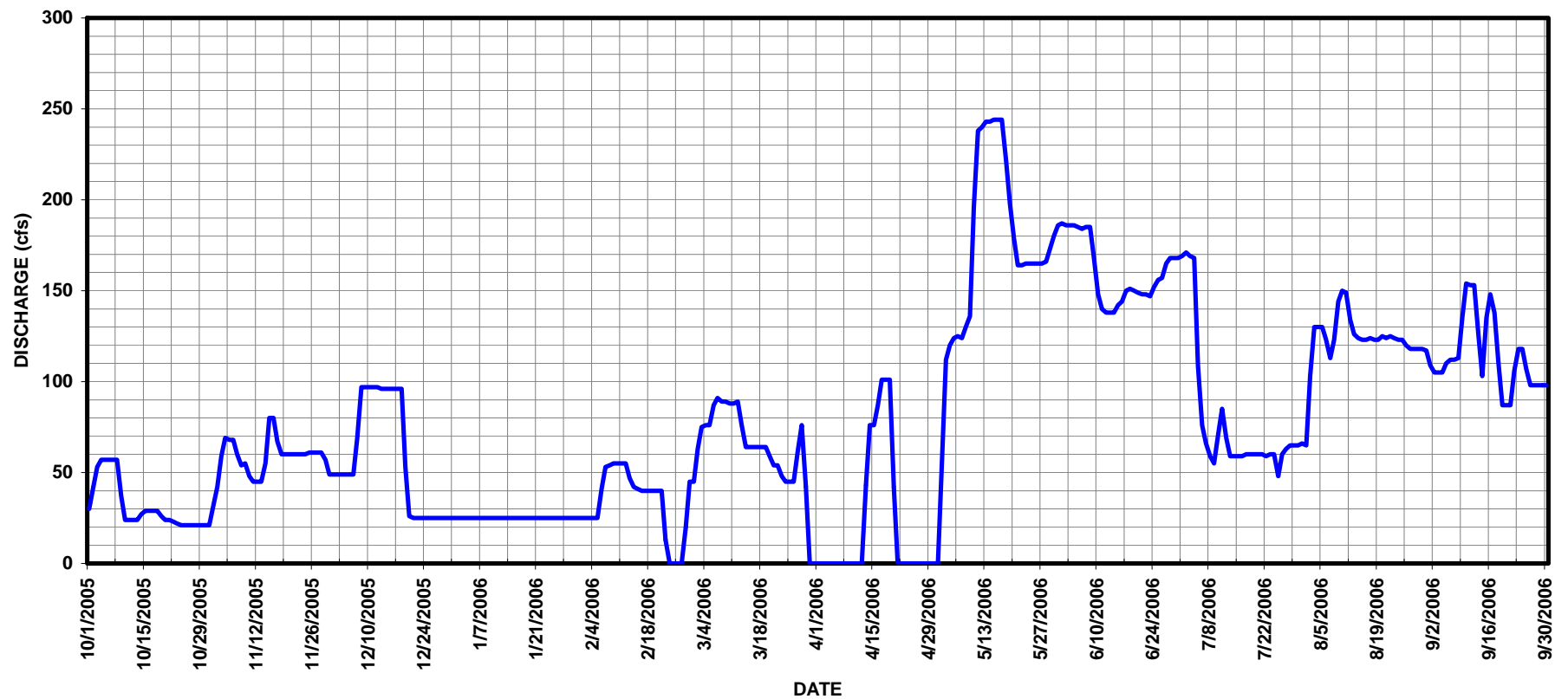
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	32	49	25	25	45	0	0	187	169	65	109
2	42	42	49	25	25	63	0	54	186	171	103	105
3	53	59	49	25	25	75	0	112	186	169	130	105
4	57	69	49	25	25	76	0	120	186	168	130	105
5	57	68	49	25	25	76	0	124	185	109	130	110
6	57	68	49	25	41	87	0	125	184	76	123	112
7	57	60	69	25	53	91	0	124	185	66	113	112
8	57	54	97	25	54	89	0	130	185	59	123	113
9	37	55	97	25	55	89	0	136	168	55	144	135
10	24	48	97	25	55	88	0	196	148	71	150	154
11	24	45	97	25	55	88	0	238	140	85	149	153
12	24	45	97	25	55	89	0	240	138	69	134	153
13	24	45	96	25	47	76	43	243	138	59	126	126
14	27	55	96	25	42	64	76	243	138	59	124	103
15	29	80	96	25	41	64	76	244	142	59	123	135
16	29	80	96	25	40	64	87	244	144	59	123	148
17	29	67	96	25	40	64	101	244	150	60	124	138
18	29	60	96	25	40	64	101	222	151	60	123	111
19	26	60	53	25	40	64	101	198	150	60	123	87
20	24	60	26	25	40	59	42	179	149	60	125	87
21	24	60	25	25	40	54	0	164	148	60	124	87
22	23	60	25	25	13	54	0	164	148	59	125	106
23	22	60	25	25	0	48	0	165	147	60	124	118
24	21	60	25	25	0	45	0	165	152	60	123	118
25	21	61	25	25	0	45	0	165	156	48	123	107
26	21	61	25	25	0	45	0	165	157	60	120	98
27	21	61	25	25	20	62	0	165	165	63	118	98
28	21	61	25	25	45	76	0	166	168	65	118	98
29	21	57	25	25	---	42	0	173	168	65	118	98
30	21	49	25	25	---	0	0	180	168	65	118	98
31	21	---	25	25	---	0	---	186	---	66	117	---
TOTAL	973	1742	1778	775	941	1946	627	5274	4817	2414	3813	3427
MEAN	31.4	58.1	57.4	25.0	33.6	62.8	20.9	170	161	77.9	123	114
AC-FT	1930	3460	3530	1540	1870	3860	1240	10460	9550	4790	7560	6800
MAX	57	80	97	25	55	91	101	244	187	171	150	154
MIN	21	32	25	25	0	0	0	0	138	48	65	87

CAL YR	2005	TOTAL	26525.3	MEAN	72.7	MAX	392	MIN	0	AC-FT	52610
WTR YR	2006	TOTAL	28527	MEAN	78.2	MAX	244	MIN	0	AC-FT	56580

MAX DISCH: 247 CFS AT 01:30 ON May. 15, 2006 GH 2.79 FT. SHIFT 0.04 FT.
MAX GH: 2.79 FT. AT 01:30 ON May. 15, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES CO
WY2006 HYDROGRAPH



DOLORES RIVER BASIN

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES, CO

LOCATION.--Lat 37°34'33", long 108°34'33", in SE¼SE¼ sec. 2, T.38 N., R.16 W., NMPM, Montezuma County.

DRAINAGE AREA.--550 mi².

GAGE.--Graphic water-stage recorder and a Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter and well. Control is an 15-ft. Parshall flume set in a flat concrete structure that acts as a weir at high flows. Datum of gauge is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records are complete and reliable. Record good. Diversions for irrigation of up to 47,000 acres upstream of gage in the Dolores River basin and diversions for irrigation of up to 4700 acres in the San Juan River Basin. Flow regulated by McPhee Reservoir, capacity 381,000 acre-feet. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--DOLBMCC004 USED FROM 01-OCT-2006 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

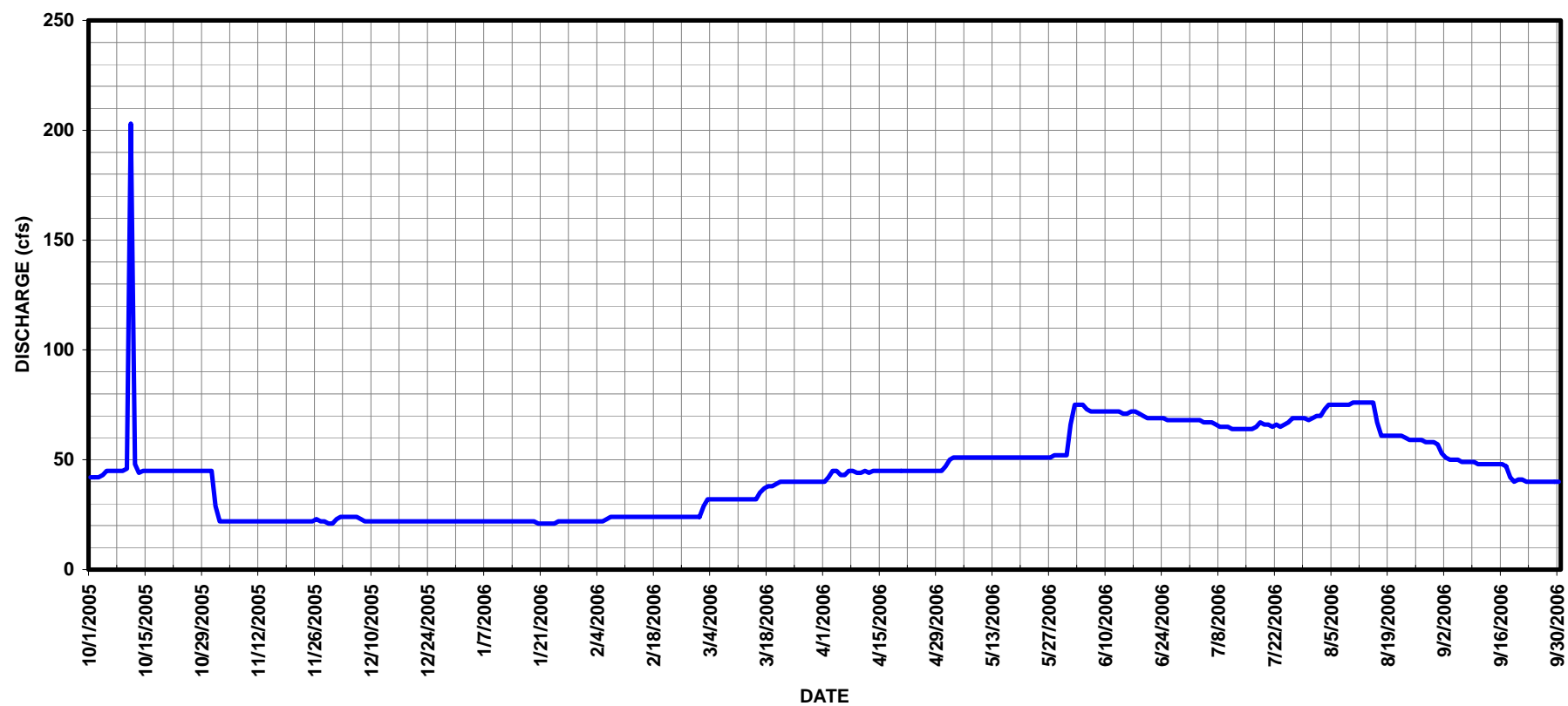
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	29	23	22	22	24	40	47	66	68	70	53
2	42	22	24	22	22	29	42	50	75	68	70	51
3	42	22	24	22	22	32	45	51	75	68	73	50
4	43	22	24	22	22	32	45	51	75	67	75	50
5	45	22	24	22	22	32	43	51	73	67	75	50
6	45	22	24	22	23	32	43	51	72	67	75	49
7	45	22	23	22	24	32	45	51	72	66	75	49
8	45	22	22	22	24	32	45	51	72	65	75	49
9	45	22	22	22	24	32	44	51	72	65	75	49
10	46	22	22	22	24	32	44	51	72	65	76	48
11	203	22	22	22	24	32	45	51	72	64	76	48
12	48	22	22	22	24	32	44	51	72	64	76	48
13	44	22	22	22	24	32	45	51	72	64	76	48
14	45	22	22	22	24	32	45	51	71	64	76	48
15	45	22	22	22	24	32	45	51	71	64	76	48
16	45	22	22	22	24	35	45	51	72	64	67	48
17	45	22	22	22	24	37	45	51	72	65	61	47
18	45	22	22	22	24	38	45	51	71	67	61	42
19	45	22	22	22	24	38	45	51	70	66	61	40
20	45	22	22	21	24	39	45	51	68	66	61	41
21	45	22	22	21	24	40	45	51	68	65	61	41
22	45	22	22	21	24	40	45	51	68	66	61	40
23	45	22	22	21	24	40	45	51	68	65	60	40
24	45	22	22	21	24	40	45	51	69	66	59	40
25	45	22	22	22	24	40	45	51	68	67	59	40
26	45	23	22	22	24	40	45	51	68	69	59	40
27	45	22	22	22	24	40	45	51	68	69	59	40
28	45	22	22	22	24	40	45	52	68	69	58	40
29	45	21	22	22	---	40	45	52	68	69	58	40
30	45	21	22	22	---	40	45	52	68	68	58	40
31	45	---	22	22	---	40	---	52	---	69	57	---
TOTAL	1545	666	694	677	661	1096	1335	1580	2116	2056	2079	1357
MEAN	49.8	22.2	22.4	21.8	23.6	35.4	44.5	51.0	70.5	66.3	67.1	45.2
AC-FT	3060	1320	1380	1340	1310	2170	2650	3130	4200	4080	4120	2690
MAX	203	29	24	22	24	40	45	52	75	69	76	53
MIN	42	21	22	21	22	24	40	47	66	64	57	40

CAL YR	2005	TOTAL	109688	MEAN	300	MAX	4530	MIN	21	AC-FT	217600
WTR YR	2006	TOTAL	15862	MEAN	43.5	MAX	203	MIN	21	AC-FT	31460

MAX DISCH: 435 CFS AT 13:30 ON Oct. 11, 2005 GH 3.28 FT. SHIFT -0.03 FT.
MAX GH: 3.28 FT. AT 13:30 ON Oct. 11, 2005

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'35", in NW¼NE¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter and well at a 12 foot Parshall flume.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.-- BLADIVCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

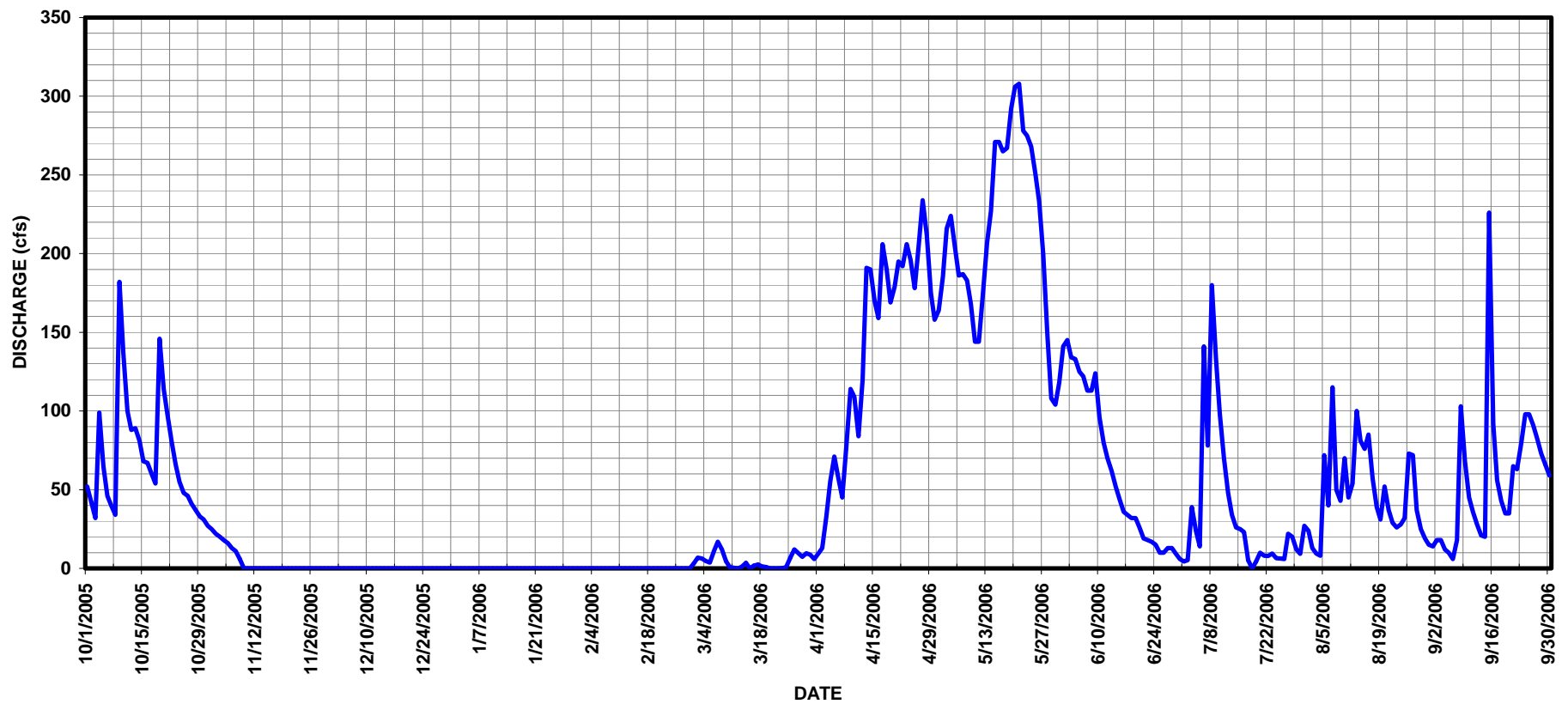
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	25	0	0	0	3.0	9.5	164	141	4.3	24	14
2	42	22	0	0	0	6.8	13	185	145	5.3	13	18
3	32	20	0	0	0	6.2	33	216	134	39	9.5	18
4	99	18	0	0	0	4.8	55	224	133	24	8.1	12
5	65	16	0	0	0	3.7	71	204	125	14	72	9.9
6	46	13	0	0	0	11	57	186	122	141	40	6.0
7	40	11	0	0	0	17	45	187	113	78	115	18
8	34	6.0	0	0	0	12	78	183	113	180	50	103
9	182	0	0	0	0	4.6	114	168	124	133	43	68
10	137	0	0	0	0	.69	109	144	96	98	70	45
11	100	0	0	0	0	.37	84	144	80	70	45	36
12	88	0	0	0	0	0	120	175	70	48	54	28
13	89	0	0	0	0	1.1	191	207	62	34	100	21
14	81	0	0	0	0	3.5	190	227	52	26	81	20
15	68	0	0	0	0	0	170	271	44	25	76	226
16	67	0	0	0	0	1.7	159	271	36	23	85	92
17	60	0	0	0	0	2.4	206	265	34	5.3	57	56
18	54	0	0	0	0	1.2	190	267	32	0	39	43
19	146	0	0	0	0	.80	169	292	32	4.2	31	35
20	114	0	0	0	0	.02	179	306	26	10	52	35
21	98	0	0	0	0	0	195	308	19	8.1	37	65
22	81	0	0	0	0	0	192	278	18	7.8	29	63
23	66	0	0	0	0	.13	206	275	17	9.5	26	79
24	55	0	0	0	0	.77	196	268	15	6.5	28	98
25	48	0	0	0	0	6.6	178	251	10	6.3	32	98
26	46	0	0	0	0	12	206	233	10	5.9	73	91
27	41	0	0	0	0	9.7	234	199	13	22	72	82
28	37	0	0	0	0	7.4	212	148	13	20	37	73
29	33	0	0	0	---	9.6	175	108	9.4	12	25	66
30	31	0	0	0	---	8.7	158	104	5.9	9.3	19	59
31	27	---	0	0	---	5.9	---	118	---	27	15	---
TOTAL	2159	131.0	0	0	0	141.68	4194.5	6576	1844.3	1096.5	1457.6	1677.9
MEAN	69.6	4.37	0	0	0	4.57	140	212	61.5	35.4	47.0	55.9
AC-FT	4280	260	0	0	0	281	8320	13040	3660	2170	2890	3330
MAX	182	25	0	0	0	17	234	308	145	180	115	226
MIN	27	0	0	0	0	0	9.5	104	5.9	0	8.1	6.0

CAL YR	2005	TOTAL	32837.44	MEAN	90.0	MAX	488	MIN	0	AC-FT	65130
WTR YR	2006	TOTAL	19278.48	MEAN	52.8	MAX	308	MIN	0	AC-FT	38240

MAX DISCH: 471 CFS AT 07:30 ON Jul. 6, 2006 GH 4.24 FT. SHIFT 0 FT.
MAX GH: 4.24 FT. AT 07:30 ON Jul. 6, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

BLANCO DIVERSION NEAR PAGOSA SPRINGS CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS, CO

LOCATION.--Lat 37°12'13", long 106°48'42", in NW¼ sec. 11, T.34 N., R.1 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 250 ft downstream from Blanco Diversion Dam, 1.1 mi downstream from Leche Creek, and 12 mi southeast of Pagosa Springs.

DRAINAGE AREA AND PERIOD OF RECORD.--69.1 mi². March 1971 to current year.

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a concrete shelter and well. Control is an 4-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. Electric drop tape is the primary reference gage with a supplemental outside staff gage. The DCP is the primary record. Datum of gage is 7,858.04 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Bureau of Reclamation).

REMARKS.--Record from the DCP is complete. Any data missing from the initial satellite transmissions was filled in from the DCP's logger files. Movement of the shaft encoder float is restricted above 4.43 ft. The record is reliable, except for the following periods: stage-discharge relationship affected by ice Nov. 28, 29; Dec. 1, 4-22, and 24-31, 2005; Jan. 2, 4-14, 16-18, and 20-31; Feb. 1-14, 16, 17, and 19-28; Mar 1, 13, 14, 2006. Record good except for estimated daily discharges, which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--RIOBLACO06 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

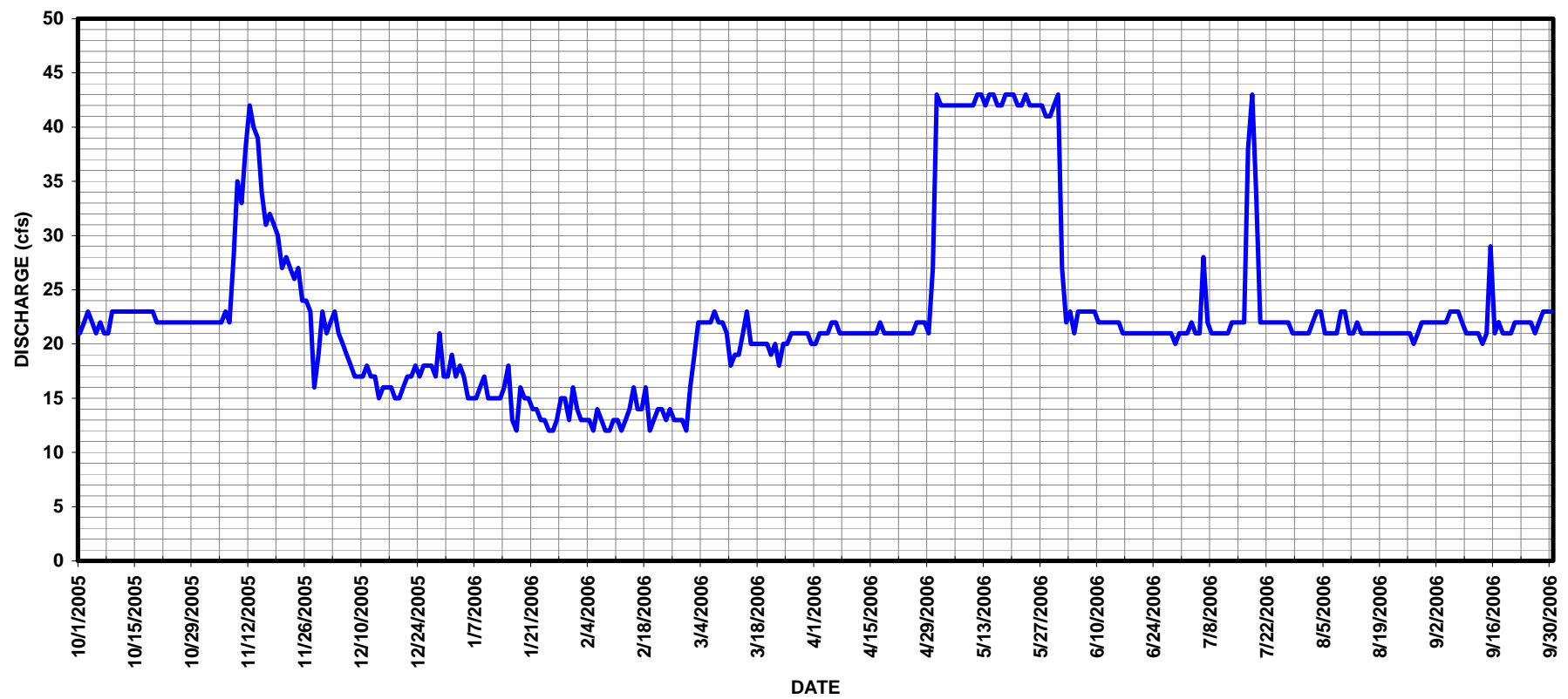
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	22	21e	19	14e	16e	20	43	27	21	21	22
2	22	22	22	17e	13e	19	21	42	22	21	22	22
3	23	22	23	18	13e	22	21	42	23	22	23	22
4	22	22	21e	17e	13e	22	21	42	21	21	23	22
5	21	22	20e	15e	12e	22	22	42	23	21	21	23
6	22	23	19e	15e	14e	22	22	42	23	28	21	23
7	21	22	18e	15e	13e	23	21	42	23	22	21	23
8	21	28	17e	16e	12e	22	21	42	23	21	21	22
9	23	35	17e	17e	12e	22	21	42	23	21	23	21
10	23	33	17e	15e	13e	21	21	42	22	21	23	21
11	23	38	18e	15e	13e	18	21	43	22	21	21	21
12	23	42	17e	15e	12e	19	21	43	22	21	21	21
13	23	40	17e	15e	13e	19e	21	42	22	22	22	20
14	23	39	15e	16e	14e	21e	21	43	22	22	21	21
15	23	34	16e	18	16	23	21	43	22	22	21	29
16	23	31	16e	13e	14e	20	21	42	21	22	21	21
17	23	32	16e	12e	14e	20	22	42	21	38	21	22
18	23	31	15e	16e	16	20	21	43	21	43	21	21
19	23	30	15e	15	12e	20	21	43	21	34	21	21
20	22	27	16e	15e	13e	20	21	43	21	22	21	21
21	22	28	17e	14e	14e	19	21	42	21	22	21	22
22	22	27	17e	14e	14e	20	21	42	21	22	21	22
23	22	26	18	13e	13e	18	21	43	21	22	21	22
24	22	27	17e	13e	14e	20	21	42	21	22	21	22
25	22	24	18e	12e	13e	20	21	42	21	22	21	22
26	22	24	18e	12e	13e	21	22	42	21	22	21	21
27	22	23	18e	13e	13e	21	22	42	21	22	20	22
28	22	16e	17e	15e	12e	21	22	41	21	21	21	23
29	22	19e	21e	15e	---	21	21	41	20	21	22	23
30	22	23	17e	13e	---	21	27	42	21	21	22	23
31	22	---	17e	16e	---	20	---	43	---	21	22	---
TOTAL	690	832	551	464	372	633	641	1310	654	724	663	661
MEAN	22.3	27.7	17.8	15.0	13.3	20.4	21.4	42.3	21.8	23.4	21.4	22.0
AC-FT	1370	1650	1090	920	738	1260	1270	2600	1300	1440	1320	1310
MAX	23	42	23	19	16	23	27	43	27	43	23	29
MIN	21	16	15	12	12	16	20	41	20	21	20	20

CAL YR	2005	TOTAL	17689	MEAN	48.5	MAX	977	MIN	15	AC-FT	35094
WTR YR	2006	TOTAL	8195	MEAN	22.5	MAX	43	MIN	12	AC-FT	16250

MAX DISCH: 197 CFS AT 02:15 ON Sep. 15, 2006 GH 3.38 FT. SHIFT 0.01 FT.
MAX GH: 3.38 FT. AT 02:15 ON Sep. 15, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09343300 RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

RIO BLANCO AT MOUTH NEAR TRUJILLO, CO

LOCATION.--Lat 37°07'40", long 107°02'03", in SW¼SE¼ sec. 2, T.33 N., R.2 W., NMPM, Archuleta County.

DRAINAGE AREA.--170 mi².

GAGE.--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP with shaft encoder on separate floats in a 42 inch CMP shelter and well. Datum of gauge is 6640 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is reliable except for the following periods: Nov. 28-30; Dec. 5-31, 2005; Jan. 1-26; Mar. 2-16, 2006, when the stage-discharge relationship was affected by ice, and, Jan. 27-31; Feb. 1-28; Mar 1, 2006, when the floats were frozen in the well. Record fair, except for those periods of ice affected records, which are poor. Station maintained by Val Valentine and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--RIOMOU003 USED FROM 01-OCT-2005 TO 30-SEP-2006

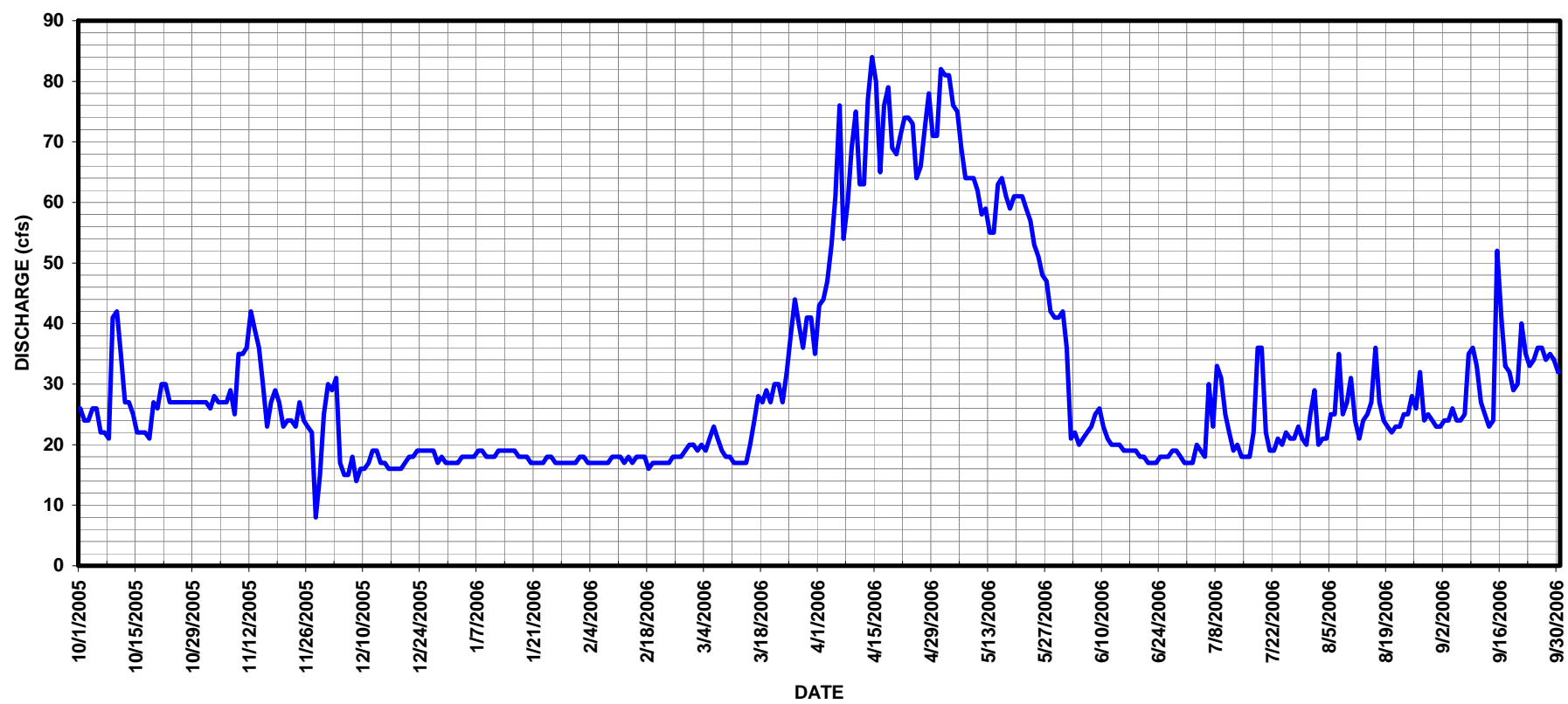
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	27	30	17e	18e	20e	43	82	36	17	29	23
2	24	26	29	17e	18e	19e	44	81	21	17	20	24
3	24	28	31	18e	17e	20e	47	81	22	20	21	24
4	26	27	17	18e	17e	19e	53	76	20	19	21	26
5	26	27	15e	18e	17e	21e	61	75	21	18	25	24
6	22	27	15e	18e	17e	23e	76	69	22	30	25	24
7	22	29	18e	19e	17e	21e	54	64	23	23	35	25
8	21	25	14e	19e	17e	19e	60	64	25	33	25	35
9	41	35	16e	18e	18e	18e	69	64	26	31	27	36
10	42	35	16e	18e	18e	18e	75	62	23	25	31	33
11	35	36	17e	18e	18e	17e	63	58	21	22	24	27
12	27	42	19e	19e	17e	17e	63	59	20	19	21	25
13	27	39	19e	19e	18e	17e	77	55	20	20	24	23
14	25	36	17e	19e	17e	17e	84	55	20	18	25	24
15	22	30	17e	19e	18e	20e	80	63	19	18	27	52
16	22	23	16e	19e	18e	24e	65	64	19	18	36	41
17	22	27	16e	18e	18e	28	76	61	19	22	27	33
18	21	29	16e	18e	16e	27	79	59	19	36	24	32
19	27	27	16e	18e	17e	29	69	61	18	36	23	29
20	26	23	17e	17e	17e	27	68	61	18	22	22	30
21	30	24	18e	17e	17e	30	71	61	17	19	23	40
22	30	24	18e	17e	17e	30	74	59	17	19	23	35
23	27	23	19e	17e	17e	27	74	57	17	21	25	33
24	27	27	19e	18e	18e	32	73	53	18	20	25	34
25	27	24	19e	18e	18e	38	64	51	18	22	28	36
26	27	23	19e	17e	18e	44	66	48	18	21	26	36
27	27	22	19e	17e	19e	40	72	47	19	21	32	34
28	27	8.0e	17e	17e	20e	36	78	42	19	23	24	35
29	27	15e	18e	17e	---	41	71	41	18	21	25	34
30	27	25e	17e	17e	---	41	71	41	17	20	24	32
31	27	---	17e	17e	---	35	---	42	---	25	23	---
TOTAL	831	813.0	571	553	492	815	2020	1856	610	696	790	939
MEAN	26.8	27.1	18.4	17.8	17.6	26.3	67.3	59.9	20.3	22.5	25.5	31.3
AC-FT	1650	1610	1130	1100	976	1620	4010	3680	1210	1380	1570	1860
MAX	42	42	31	19	20	44	84	82	36	36	36	52
MIN	21	8.0	14	17	16	17	43	41	17	17	20	23
CAL YR 2005	TOTAL	44043	MEAN	121	MAX	2950	MIN	11	AC-FT	87360		
WTR YR 2006	TOTAL	10986	MEAN	30.1	MAX	84	MIN	8	AC-FT	21790		

MAX DISCH: 119 CFS AT 23:45 ON Apr. 5, 2006 GH 2.33 FT. SHIFT -0.14 FT.
MAX GH: 2.44 FT. AT 20:30 ON Jan. 16, 2006 (Backwater from Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

RIO BLANCO AT MOUTH NEAR TRUJILLO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO, CO

LOCATION.--Lat 37°05'07", long 106°41'20", in SE¼NW¼ sec. 24, T.33 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on right bank at downstream side of private bridge on Banded Peak Ranch, 0.5 mi downstream from Cutthroat Creek, 2.8 mi downstream from East Fork of the Navajo River, and 11.2 mi northeast of Chromo, Co.

DRAINAGE AREA.--69.8 mi².

GAGE.--Graphic water stage-recorder and a Sutron SatLink 2 HDR DCP in a 48-inch wood shelter and well. Also equipped with an air temperature sensor. The primary reference gage is a drop tape in the well. The DCP record is the primary record. Datum of gage is 7,939.3 ft above National Geodetic Vertical Datum of 1929 (river-profile survey).

REMARKS.--Record is complete. It is reliable, except for the following periods: Stage-discharge relationship affected by ice: Nov. 28, 29; Dec. 1-11, 14-17, 30, 2005; Jan. 2, 4-7, 10-11, 13-14, 17-18, 21-27; Feb. 2, 5, 7-15, 17, 18, 20-27; Mar. 14-15, 2006. Record fair, except for the winter period and estimated period, which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--NAVBANCO23 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

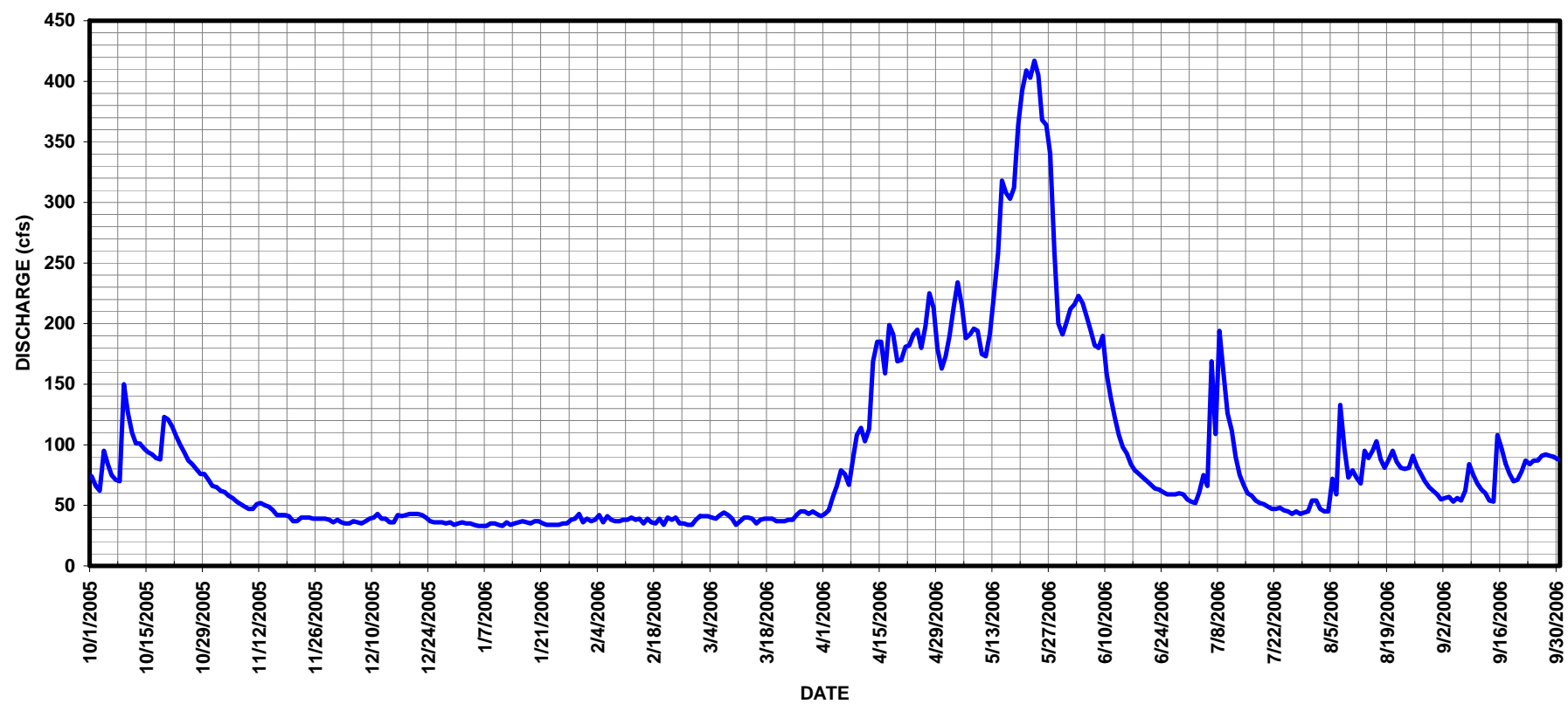
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	65	38e	36	39	41	43	173	212	53	54	55
2	66	62	36e	35e	37e	41	46	190	216	52	47	56
3	62	61	35e	35	38	41	57	214	223	61	45	57
4	95	58	35e	34e	42	40	66	234	217	75	45	53
5	84	56	37e	33e	36e	39	79	215	206	66	72	56
6	75	53	36e	33e	41	42	76	188	194	169	59	54
7	71	51	35e	33e	38e	44	67	191	182	109	133	62
8	70	49	37e	35	37e	42	88	196	180	194	97	84
9	150	47	39e	35	37e	39	108	194	190	158	73	75
10	127	47	40e	34e	38e	34	114	175	159	126	79	68
11	110	51	43e	33e	38e	37	103	173	139	112	73	63
12	101	52	39	36	40e	40	113	192	123	90	68	60
13	101	50	39	34e	38e	40	169	223	108	75	95	54
14	97	49	36e	35e	39e	39e	185	258	98	67	89	53
15	94	46	36e	36	35e	35e	185	318	93	60	95	108
16	92	42	42e	37	39	38	159	308	84	58	103	97
17	89	42	41e	36e	36e	39	199	303	79	54	88	85
18	88	42	42	35e	35e	39	191	312	76	52	81	76
19	123	41	43	37	39	39	169	364	73	51	88	70
20	121	37	43	37	34e	37	170	392	70	49	95	71
21	115	37	43	35e	40e	37	181	409	67	47	86	78
22	107	40	42	34e	38e	37	182	403	64	47	81	87
23	100	40	40	34e	40e	38	191	417	63	48	80	84
24	94	40	37	34e	35e	38	195	405	61	46	81	87
25	87	39	36	34e	35e	42	180	368	59	45	91	87
26	84	39	36	35e	34e	45	198	364	59	43	82	91
27	80	39	36	35e	34e	45	225	340	59	45	76	92
28	76	39e	35	38	38	43	213	259	60	43	70	91
29	76	38e	36	39	---	45	179	200	59	44	65	90
30	71	36	34e	43	---	43	163	191	55	45	62	88
31	66	---	35	36e	---	41	---	201	---	54	59	---
TOTAL	2846	1388	1182	1096	1050	1240	4294	8370	3528	2238	2412	2232
MEAN	91.8	46.3	38.1	35.4	37.5	40.0	143	270	118	72.2	77.8	74.4
AC-FT	5650	2750	2340	2170	2080	2460	8520	16600	7000	4440	4780	4430
MAX	150	65	43	43	42	45	225	417	223	194	133	108
MIN	62	36	34	33	34	34	43	173	55	43	45	53

CAL YR	2005	TOTAL	57742	MEAN	158	MAX	1270	MIN	27	AC-FT	114500
WTR YR	2006	TOTAL	31876	MEAN	87.3	MAX	417	MIN	33	AC-FT	63230

MAX DISCH: 498 CFS AT 21:30 ON May. 23, 2006 GH 3.35 FT. SHIFT -0.03 FT.
MAX GH: 3.35 FT. AT 21:30 ON May. 23, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09344000 NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NE¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter and well at a 15 foot Parshall flume.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--OSODIVCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

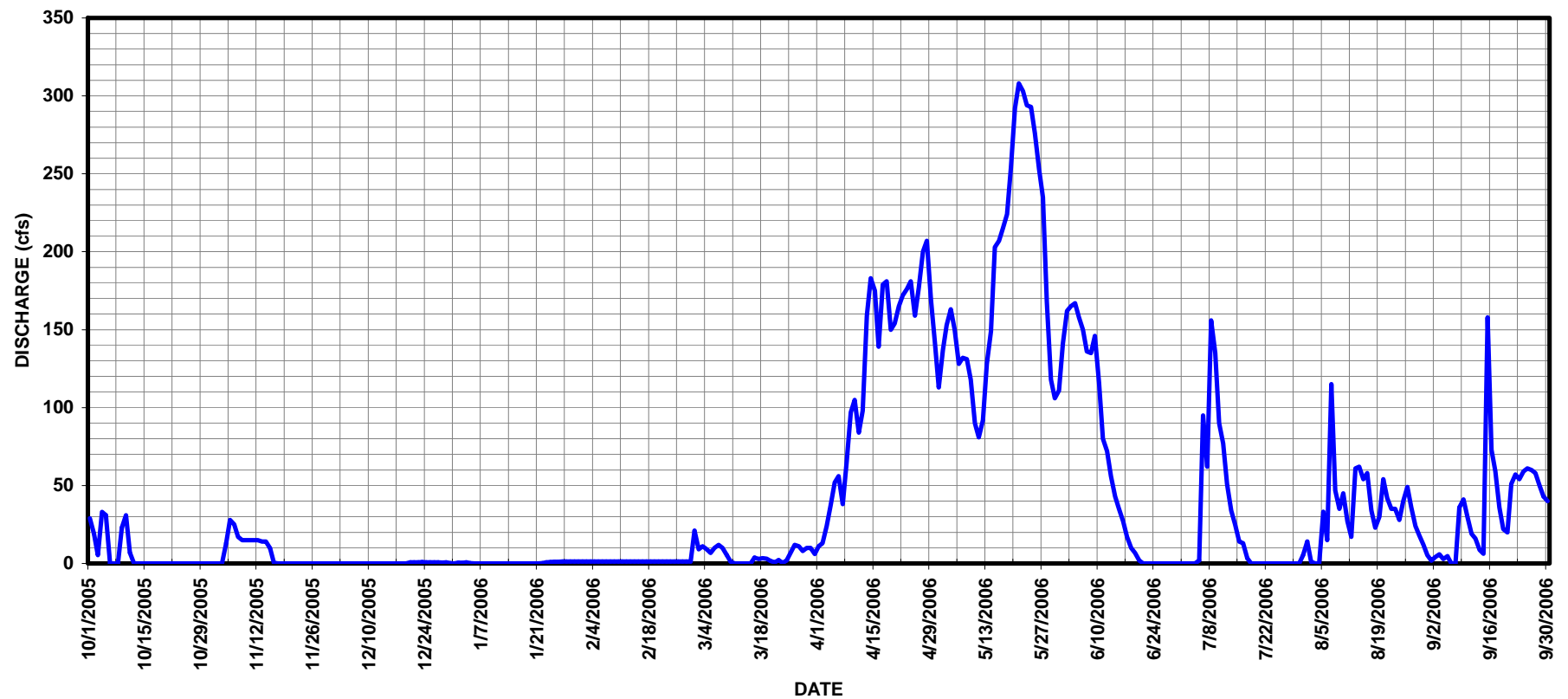
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	0	0	.59	1.2	21	11	113	141	0	14	1.8
2	19	0	0	.37	1.2	9.1	13	137	162	0	1.1	4.1
3	5.4	0	0	.64	1.2	11	24	153	165	0	0	5.9
4	33	13	0	.13	1.2	9.3	37	163	167	0	0	2.9
5	31	28	0	0	1.2	6.7	52	150	158	1.9	33	4.6
6	0	25	0	0	1.2	10	56	128	150	95	15	0
7	0	17	0	0	1.2	12	38	132	136	62	115	0
8	0	15	0	0	1.2	10	65	131	135	156	47	36
9	23	15	0	0	1.2	5.5	97	118	146	135	35	41
10	31	15	0	0	1.2	1.2	105	90	116	90	45	30
11	7.0	15	0	0	1.2	0	84	81	80	77	27	19
12	0	15	0	0	1.2	0	98	92	72	51	17	16
13	0	14	0	0	1.2	0	159	128	56	34	61	8.7
14	0	14	0	0	1.2	0	183	149	43	25	62	6.3
15	0	9.7	0	0	1.3	0	175	203	35	14	54	158
16	0	.35	0	0	1.3	3.8	139	207	27	13	58	73
17	0	0	0	0	1.2	2.8	179	215	17	3.3	34	59
18	0	0	0	0	1.2	3.4	181	224	10	0	23	36
19	0	0	0	0	1.2	3.1	150	254	6.7	0	30	22
20	0	0	.65	0	1.2	1.6	154	292	1.9	0	54	20
21	0	0	.74	0	1.2	.65	165	308	0	0	42	51
22	0	0	.76	.21	1.2	2.1	172	303	0	0	35	57
23	0	0	.81	.77	1.2	.28	176	294	0	0	35	54
24	0	0	.66	.95	1.2	1.9	181	293	0	0	28	59
25	0	0	.64	1.0	1.2	7.1	159	276	0	0	40	61
26	0	0	.64	1.1	1.2	12	177	253	0	0	49	60
27	0	0	.64	1.2	1.2	11	200	235	0	0	36	58
28	0	0	.48	1.2	1.2	8.0	207	168	0	0	24	50
29	0	0	.64	1.2	---	10	169	118	0	0	18	43
30	0	0	.16	1.2	---	10	142	106	0	0	12	40
31	0	---	0	1.2	---	6.0	---	111	---	5.4	5.4	---
TOTAL	178.4	196.05	6.82	11.76	33.8	179.53	3748	5625	1824.6	762.6	1049.5	1077.3
MEAN	5.75	6.53	.22	.38	1.21	5.79	125	181	60.8	24.6	33.9	35.9
AC-FT	354	389	14	23	67	356	7430	11160	3620	1510	2080	2140
MAX	33	28	.81	1.2	1.3	21	207	308	167	156	115	158
MIN	0	0	0	0	1.2	0	11	81	0	0	0	0

CAL YR	2005	TOTAL	38411.23	MEAN	105	MAX	635	MIN	0	AC-FT	76190
WTR YR	2006	TOTAL	14693.36	MEAN	40.3	MAX	308	MIN	0	AC-FT	29140

MAX DISCH: 378 CFS AT 23:45 ON May. 21, 2006 GH 3.23 FT. SHIFT 0 FT.
MAX GH: 3.23 FT. AT 23:45 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

OSO DIVERSION NEAR CHROMO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO, CO

LOCATION.--Lat 37°01'49", long 106°44'14", in NE¼NW¼ sec. 9, T.32 N., R.2 E., NMPM, Archuleta County, Hydrologic Unit 14080101, on left bank 600 ft downstream from Oso Diversion Dam, 5.8 mi east of Chromo, and 6.1 mi upstream from Little Navajo River.

DRAINAGE AREA AND PERIOD OF RECORD.--100.5 mi². March 1971 to current year.

GAGE.--Graphic water-stage recorder with a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a concrete shelter and well. Control is an 8-ft. Parshall flume set in a flat wide concrete structure that acts as a weir at high flows. The Parshall flume is equipped with a supplemental outside gage. The DCP is the primary record. Datum of gage is 7,665.30 ft above mean sea level.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. The record is reliable except for the following periods: Stage-discharge relationship affected by ice Nov. 28, 29; Dec. 4-11, 14-21, 2005; Jan. 10-18, 20-25; Mar. 14, 2006. Record good, except for those periods of ice affected record, which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--NAVOSOCO04 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

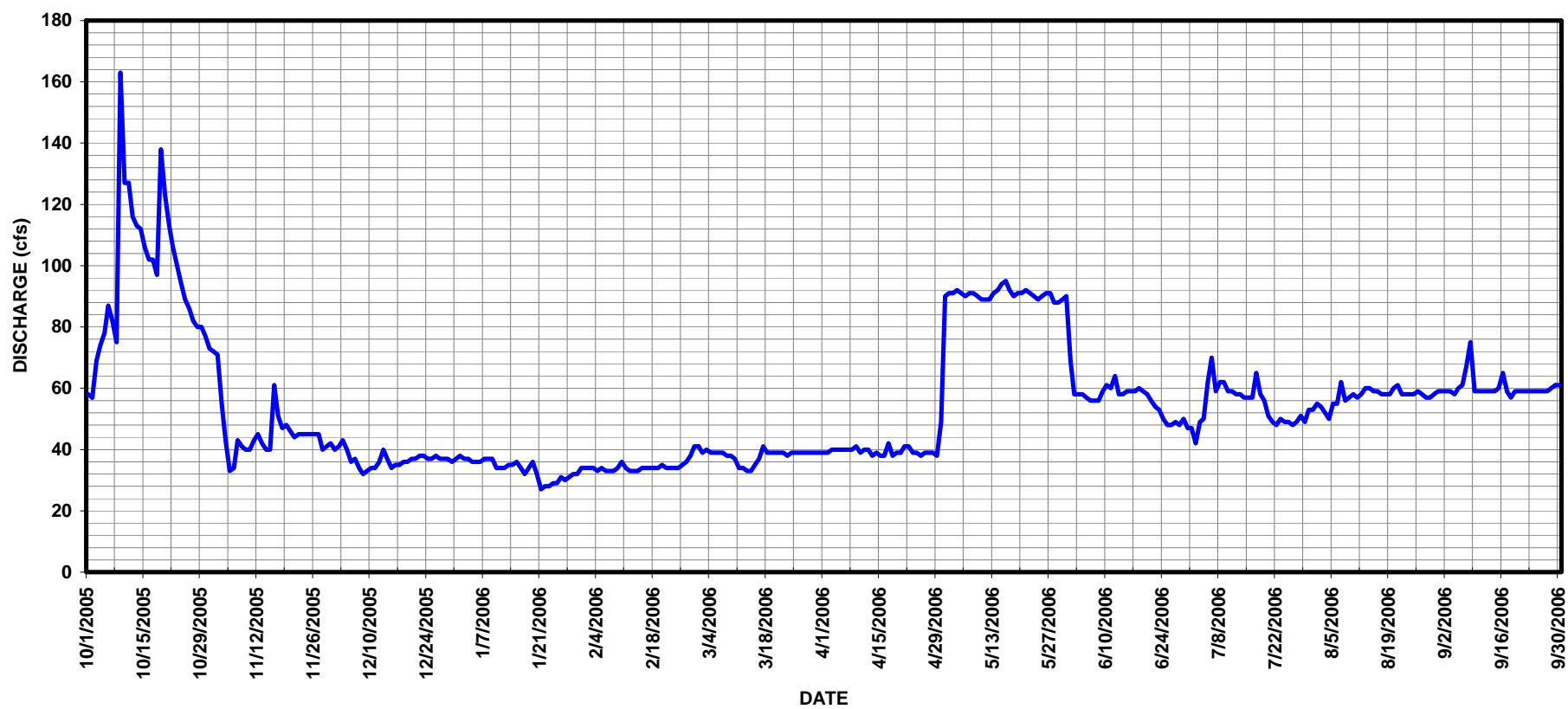
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	72	40	38	34	41	39	90	69	47	55	59
2	57	71	41	37	34	39	39	91	58	42	54	59
3	69	55	43	37	34	40	40	91	58	49	52	59
4	74	43	40e	36	33	39	40	92	58	50	50	58
5	78	33	36e	36	34	39	40	91	57	62	55	60
6	87	34	37e	36	33	39	40	90	56	70	55	61
7	82	43	34e	37	33	39	40	91	56	59	62	67
8	75	41	32e	37	33	38	40	91	56	62	56	75
9	163	40	33e	37	34	38	41	90	59	62	57	59
10	127	40	34e	34e	36	37	39	89	61	59	58	59
11	127	43	34e	34e	34	34	40	89	60	59	57	59
12	116	45	36	34e	33	34	40	89	64	58	58	59
13	113	42	40	35e	33	33	38	91	58	58	60	59
14	112	40	37e	35e	33e	33	39	92	58	57	60	59
15	106	40	34e	36e	34	35	38	94	59	57	59	60
16	102	61	35e	34e	34	37	38	95	59	57	59	65
17	102	51	35e	32e	34	41	42	92	59	65	58	59
18	97	47	36e	34e	34	39	38	90	60	58	58	57
19	138	48	36e	36	34	39	39	91	59	56	58	59
20	123	46	37e	32e	35	39	39	91	58	51	60	59
21	113	44	37e	27e	34	39	41	92	56	49	61	59
22	106	45	38	28e	34	39	41	91	54	48	58	59
23	100	45	38	28e	34	38	39	90	53	50	58	59
24	94	45	37	29e	34	39	39	89	50	49	58	59
25	89	45	37	29e	35	39	38	90	48	49	58	59
26	86	45	38	31	36	39	39	91	48	48	59	59
27	82	45	37	30	38	39	39	91	49	49	58	59
28	80	40e	37	31	41	39	39	88	48	51	57	60
29	80	41e	37	32	---	39	38	88	50	49	57	61
30	77	42	36	32	---	39	49	89	47	53	58	61
31	73	---	37	34	---	39	---	90	---	53	59	---
TOTAL	2986	1372	1139	1038	962	1181	1191	2809	1685	1686	1782	1806
MEAN	96.3	45.7	36.7	33.5	34.4	38.1	39.7	90.6	56.2	54.4	57.5	60.2
AC-FT	5920	2720	2260	2060	1910	2340	2360	5570	3340	3340	3530	3580
MAX	163	72	43	38	41	41	49	95	69	70	62	75
MIN	57	33	32	27	33	33	38	88	47	42	50	57

CAL YR	2005	TOTAL	25246	MEAN	69.2	MAX	531	MIN	29	AC-FT	50080
WTR YR	2006	TOTAL	19637	MEAN	53.8	MAX	163	MIN	27	AC-FT	38950

MAX DISCH: 217 CFS AT 05:00 ON Oct. 9, 2005 GH 3.05 FT. SHIFT 0.01 FT.
MAX GH: 4.75 FT. AT 07:45 ON Jan. 21, 2006 (Backwater from Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09344400 NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

LITTLE OSO DIVERSION NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County.

DRAINAGE AREA.--N/A. March 1971 to current year.

GAGE.--Graphic water-stage recorder with Sutron Satlink 2 HDR DCP on separate floats in a concrete shelter at a 6 foot Parshall flume. The DCP is the primary record.

REMARKS.--Records are complete and reliable. Record good. Station maintained by the USBR and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.-- LOSODVC001 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

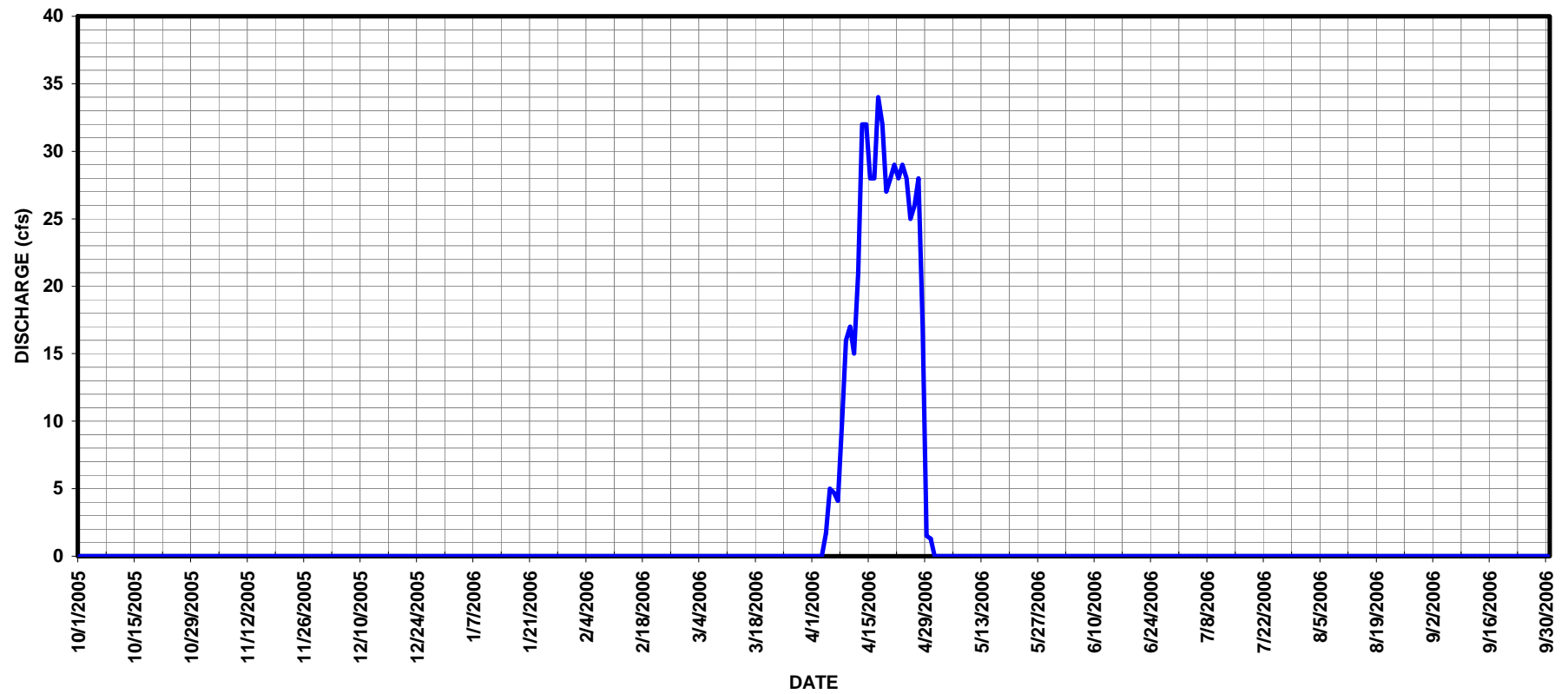
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1.7	0	0	0	0	0
5	0	0	0	0	0	0	5.0	0	0	0	0	0
6	0	0	0	0	0	0	4.7	0	0	0	0	0
7	0	0	0	0	0	0	4.1	0	0	0	0	0
8	0	0	0	0	0	0	10	0	0	0	0	0
9	0	0	0	0	0	0	16	0	0	0	0	0
10	0	0	0	0	0	0	17	0	0	0	0	0
11	0	0	0	0	0	0	15	0	0	0	0	0
12	0	0	0	0	0	0	21	0	0	0	0	0
13	0	0	0	0	0	0	32	0	0	0	0	0
14	0	0	0	0	0	0	32	0	0	0	0	0
15	0	0	0	0	0	0	28	0	0	0	0	0
16	0	0	0	0	0	0	28	0	0	0	0	0
17	0	0	0	0	0	0	34	0	0	0	0	0
18	0	0	0	0	0	0	32	0	0	0	0	0
19	0	0	0	0	0	0	27	0	0	0	0	0
20	0	0	0	0	0	0	28	0	0	0	0	0
21	0	0	0	0	0	0	29	0	0	0	0	0
22	0	0	0	0	0	0	28	0	0	0	0	0
23	0	0	0	0	0	0	29	0	0	0	0	0
24	0	0	0	0	0	0	28	0	0	0	0	0
25	0	0	0	0	0	0	25	0	0	0	0	0
26	0	0	0	0	0	0	26	0	0	0	0	0
27	0	0	0	0	0	0	28	0	0	0	0	0
28	0	0	0	0	0	0	17	0	0	0	0	0
29	0	0	0	0	---	0	1.5	0	0	0	0	0
30	0	0	0	0	---	0	1.3	0	0	0	0	0
31	0	---	0	0	---	0	---	0	---	0	0	---
TOTAL	0	0	0	0	0	0	548.3	0	0	0	0	0
MEAN	0	0	0	0	0	0	18.3	0	0	0	0	0
AC-FT	0	0	0	0	0	0	1090	0	0	0	0	0
MAX	0	0	0	0	0	0	34	0	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	3270.8	MEAN	8.96	MAX	107	MIN	0	AC-FT	6490
WTR YR	2006	TOTAL	548.3	MEAN	1.50	MAX	34	MIN	0	AC-FT	1090

MAX DISCH: 53.4 CFS AT 19:30 ON Apr. 13, 2006 GH 1.65 FT. SHIFT 0 FT.
MAX GH: 1.65 FT. AT 19:30 ON Apr. 13, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LITTLE OSO DIVERSION NEAR CHROMO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO

LOCATION.--Lat 37°04'32", long 106°48'38", in SW¼SE¼ sec. 23, T.33 N., R.1 E., NMPM, Archuleta County, on right bank downstream from Little Oso Diversion Dam.

DRAINAGE AREA AND PERIOD OF RECORD.--N/A, December 5, 1996 to current year.

GAGE.--Graphic water stage-recorder and a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a wooden shelter and concrete well. Supplemental outside staff gage. Control is a 5-foot Parshall flume set in concrete. The DCP is the primary record.

REMARKS.--The record is complete. Record is reliable, except for the following periods: stage-discharge relationship affected by ice on Nov. 29, 30; Dec. 12-19, 2005. Record fair, except for those periods of ice affected records, which are poor. Station maintained by Sherry Schutz and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LITOSOCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

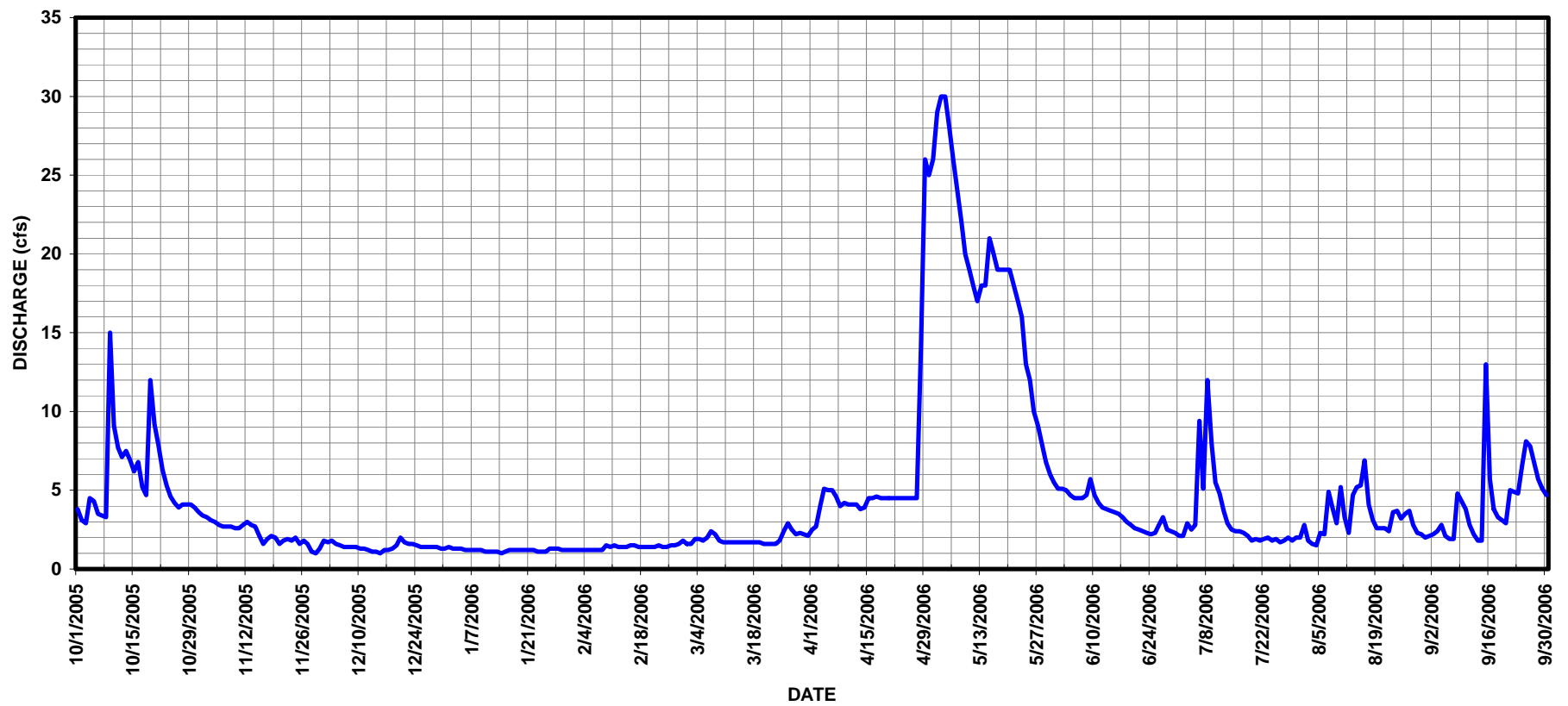
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.4	1.8	1.4	1.2	1.6	2.5	26	5.1	2.1	2.8	2.1
2	3.1	3.3	1.7	1.3	1.2	1.6	2.7	29	5.1	2.1	1.8	2.2
3	2.9	3.1	1.8	1.3	1.2	1.9	4.0	30	5.0	2.9	1.6	2.4
4	4.5	3.0	1.6	1.3	1.2	1.9	5.1	30	4.7	2.5	1.5	2.8
5	4.3	2.8	1.5	1.2	1.2	1.8	5.0	28	4.5	2.8	2.3	2.1
6	3.5	2.7	1.4	1.2	1.2	2.0	5.0	26	4.5	9.4	2.2	1.9
7	3.4	2.7	1.4	1.2	1.2	2.4	4.6	24	4.5	5.1	4.9	1.9
8	3.3	2.7	1.4	1.2	1.2	2.2	4.0	22	4.7	12	3.9	4.8
9	15	2.6	1.4	1.2	1.5	1.8	4.2	20	5.7	8.0	2.9	4.3
10	9.1	2.6	1.3	1.1	1.4	1.7	4.1	19	4.7	5.5	5.2	3.8
11	7.7	2.8	1.3	1.1	1.5	1.7	4.1	18	4.2	4.8	3.3	2.8
12	7.1	3.0	1.2e	1.1	1.4	1.7	4.1	17	3.9	3.7	2.3	2.2
13	7.5	2.8	1.1e	1.1	1.4	1.7	3.8	18	3.8	2.9	4.7	1.8
14	6.9	2.7	1.1e	1.0	1.4	1.7	3.9	18	3.7	2.5	5.2	1.8
15	6.2	2.1	1.0e	1.1	1.5	1.7	4.5	21	3.6	2.4	5.3	13
16	6.8	1.6	1.2e	1.2	1.5	1.7	4.5	20	3.5	2.4	6.9	5.7
17	5.2	1.9	1.2e	1.2	1.4	1.7	4.6	19	3.3	2.3	4.1	3.8
18	4.7	2.1	1.3e	1.2	1.4	1.7	4.5	19	3.0	2.1	3.1	3.3
19	12	2.0	1.5e	1.2	1.4	1.7	4.5	19	2.8	1.8	2.6	3.1
20	9.2	1.6	2.0	1.2	1.4	1.6	4.5	19	2.6	1.9	2.6	2.9
21	7.9	1.8	1.7	1.2	1.4	1.6	4.5	18	2.5	1.8	2.6	5.0
22	6.3	1.9	1.6	1.2	1.5	1.6	4.5	17	2.4	1.9	2.4	4.9
23	5.3	1.8	1.6	1.1	1.4	1.6	4.5	16	2.3	2.0	3.6	4.8
24	4.6	2.0	1.5	1.1	1.4	1.8	4.5	13	2.2	1.8	3.7	6.6
25	4.2	1.6	1.4	1.1	1.5	2.4	4.5	12	2.3	1.9	3.2	8.1
26	3.9	1.8	1.4	1.3	1.5	2.9	4.5	10	2.8	1.7	3.5	7.8
27	4.1	1.6	1.4	1.3	1.6	2.5	4.5	9.1	3.3	1.8	3.7	6.7
28	4.1	1.1	1.4	1.3	1.8	2.2	14	7.9	2.5	2.0	2.8	5.7
29	4.1	1.0e	1.4	1.2	---	2.3	26	6.8	2.4	1.8	2.3	5.1
30	3.9	1.3e	1.3	1.2	---	2.2	25	6.0	2.3	2.0	2.2	4.7
31	3.6	---	1.3	1.2	---	2.1	---	5.5	---	2.0	2.0	---
TOTAL	178.2	67.4	44.2	37.0	38.9	59.0	180.7	563.3	107.9	99.9	101.2	128.1
MEAN	5.75	2.25	1.43	1.19	1.39	1.90	6.02	18.2	3.60	3.22	3.26	4.27
AC-FT	353	134	88	73	77	117	358	1120	214	198	201	254
MAX	15	3.4	2.0	1.4	1.8	2.9	26	30	5.7	12	6.9	13
MIN	2.9	1.0	1.0	1.0	1.2	1.6	2.5	5.5	2.2	1.7	1.5	1.8

CAL YR	2005	TOTAL	3195.4	MEAN	8.8	MAX	73	MIN	1.0	AC-FT	6340
WTR YR	2006	TOTAL	1605.8	MEAN	4.4	MAX	30	MIN	1.0	AC-FT	3190

MAX DISCH: 36.1 CFS AT 08:45 ON Jul. 6, 2006 GH 1.47 FT. SHIFT -0.02 FT.
MAX GH: 1.55 FT. AT 14:45 ON Dec. 13, 2005 (Backwater from Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09345200 LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°25'36", long 107°40'28", in SW¼NE¼ sec. 31, T.37 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--50.9 mi².

GAGE.--Graphic water stage-recorder and a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float in a 72-inch by 72-inch exposed aggregate concrete shelter and a 42" corrugated metal pipe well. The floats are located inside of a 14 inch PVC oil cylinder. The DCP record is the primary record with chart record used for backup purposes. The station is also equipped with a Sutron air temperature sensor. The primary reference gage is an electric drop tape with a separate steel drop tape used when the well is frozen around the oil cylinder. Datum of gauge is 8,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--The record is complete and reliable except for the following days when ice on the control affected the gage height: Dec 5-9, 15-17, 2005; Jan 27, 28; Mar 10-14, 2006. Record good, except for estimated daily discharges, which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--FLOALECO07 USED FROM 01-OCT-2005 TO 30-SEP-2006

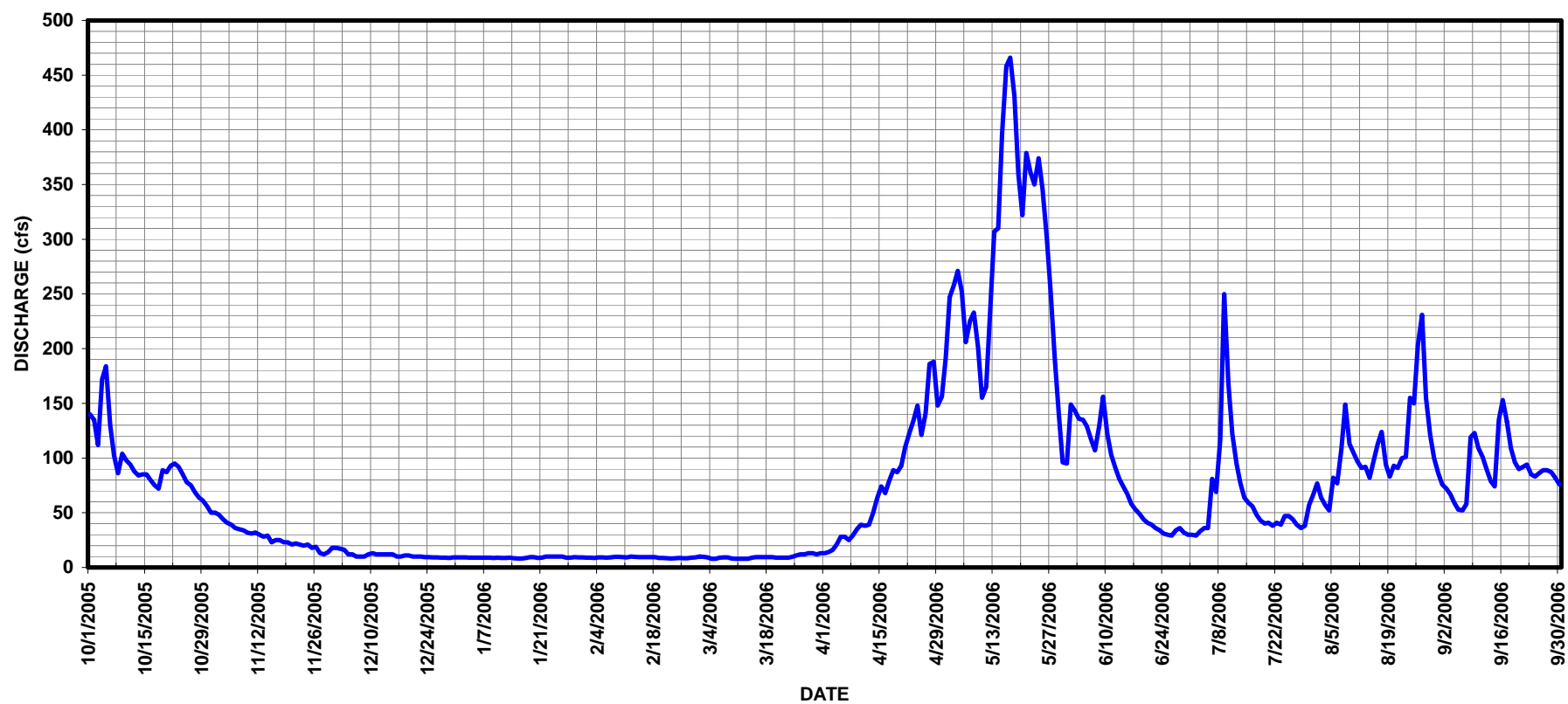
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	50	18	9.3	8.9	9.9	13	192	149	30	77	76
2	135	48	17	9.2	8.9	9.7	14	247	143	29	64	72
3	112	44	16	8.9	8.8	9.2	16	258	136	33	57	67
4	172	41	12	9.0	9.3	8.0	21	271	135	36	52	59
5	184	39	12e	8.9	9.3	7.9	28	252	129	36	82	5
6	130	36	10e	8.9	9.0	9.0	28	206	117	81	77	52
7	102	35	10e	8.9	9.2	9.3	25	225	107	69	108	58
8	86	34	10e	8.9	9.6	9.2	29	233	129	117	149	119
9	104	32	12e	8.8	9.6	8.1	35	201	156	250	113	123
10	98	31	13	9.0	9.5	8.0e	39	155	122	168	105	109
11	94	32	12	8.7	9.2	8.0e	38	165	103	122	97	101
12	88	30	12	8.8	10	8.0e	39	233	91	95	91	90
13	84	28	12	9.0	9.8	8.0e	50	307	81	77	92	79
14	85	29	12	8.4	9.5	9.0e	63	310	74	64	82	74
15	85	23	12e	8.3	9.4	9.5	74	397	67	59	97	135
16	80	25	10e	8.3	9.4	9.5	68	458	58	56	113	153
17	75	25	10e	8.6	9.4	9.5	79	466	53	48	124	133
18	72	23	11	9.4	9.4	9.5	89	431	49	43	94	109
19	89	23	11	9.4	8.6	9.5	87	360	44	40	83	96
20	87	21	10	8.8	8.6	9.0	93	322	41	41	93	90
21	93	22	9.9	9.0	8.4	8.9	110	379	39	38	91	92
22	95	21	9.9	10	8.3	8.9	123	361	36	41	100	94
23	92	20	9.4	10	8.5	9.0	134	350	34	39	101	85
24	85	21	9.4	10	8.6	9.7	148	374	31	47	155	83
25	78	18	9.2	9.9	8.5	11	121	346	30	47	150	86
26	75	19	9.1	9.9	8.5	12	141	302	29	44	203	89
27	69	13	8.9	9.0e	8.9	12	186	252	34	39	231	89
28	64	12	8.9	9.0e	9.3	13	188	190	36	36	155	87
29	61	14	8.8	9.4	---	13	148	141	32	38	121	82
30	56	18	9.1	9.3	---	12	156	96	30	57	100	76
31	50	---	9.1	9.3	---	13	---	95	---	66	86	---
TOTAL	2920	827	343.7	282.3	254.4	300.3	2383	8575	2315	1986	3343	2711
MEAN	94.2	27.6	11.1	9.11	9.09	9.69	79.4	277	77.2	64.1	108	90.4
AC-FT	5790	1640	682	560	505	596	4730	17010	4590	3940	6630	5380
MAX	184	50	18	10	10	13	188	466	156	250	231	153
MIN	50	12	8.8	8.3	8.3	7.9	13	95	29	29	52	52
CAL YR 2005	TOTAL	42810.7	MEAN	117	MAX	1000	MIN	8.8	AC-FT	84910		
WTR YR 2006	TOTAL	26240.7	MEAN	71.9	MAX	466	MIN	7.9	AC-FT	52050		

MAX DISCH: 640 CFS AT 20:45 ON May. 16, 2006 GH 3.43 FT. SHIFT -0.03 FT.
MAX GH: 3.43 FT. AT 20:45 ON May. 16, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09362750 FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO, CO

LOCATION.--Lat 37°22'50", long 107°39'43", in NE¼NW¼ sec. 20, T.36 N., R.7 W., NMPM, La Plata County.

DRAINAGE AREA.--69.1 mi².

GAGE.--Water-stage recorder with a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float in a 42" corrugated metal shelter and well and a concrete control. The primary reference gage is a steel drop tape in the gage. The DCP record is the primary record. Datum of gauge is 7,960 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete and reliable. Record good. Diversions for irrigation of up to 80 acres upstream of gage. Flow regulated by Lemon Reservoir, capacity 40,100 acre feet. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.-- FLOBLECO02 USED FROM 01-OCT-2005 TO 16-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

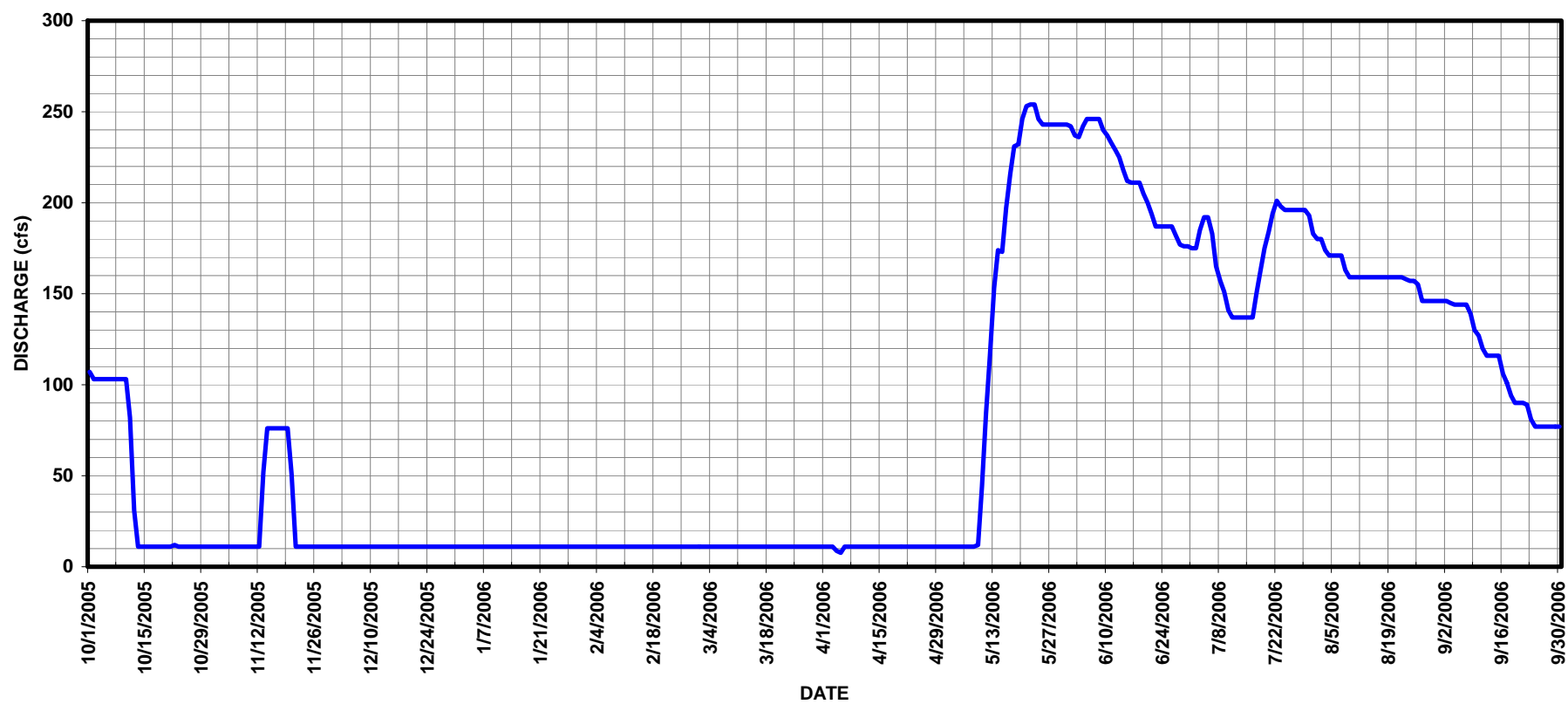
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	11	11	11	11	11	11	11	242	175	180	146
2	103	11	11	11	11	11	11	11	237	175	180	146
3	103	11	11	11	11	11	11	11	236	185	174	145
4	103	11	11	11	11	11	8.7	11	242	192	171	144
5	103	11	11	11	11	11	7.7	11	246	192	171	144
6	103	11	11	11	11	11	11	11	246	183	171	144
7	103	11	11	11	11	11	11	11	246	165	171	144
8	103	11	11	11	11	11	11	11	246	157	163	139
9	103	11	11	11	11	11	11	12	240	151	159	130
10	103	11	11	11	11	11	11	44	237	141	159	127
11	82	11	11	11	11	11	11	84	233	137	159	120
12	31	11	11	11	11	11	11	116	229	137	159	116
13	11	52	11	11	11	11	11	153	225	137	159	116
14	11	76	11	11	11	11	11	174	218	137	159	116
15	11	76	11	11	11	11	11	173	212	137	159	116
16	11	76	11	11	11	11	11	197	211	137	159	106
17	11	76	11	11	11	11	11	216	211	150	159	101
18	11	76	11	11	11	11	11	231	211	163	159	94
19	11	76	11	11	11	11	11	232	205	175	159	90
20	11	51	11	11	11	11	11	246	200	184	159	90
21	11	11	11	11	11	11	11	253	194	194	159	90
22	12	11	11	11	11	11	11	254	187	201	159	89
23	11	11	11	11	11	11	11	254	187	198	158	81
24	11	11	11	11	11	11	11	246	187	196	157	77
25	11	11	11	11	11	11	11	243	187	196	157	77
26	11	11	11	11	11	11	11	243	187	196	155	77
27	11	11	11	11	11	11	11	243	182	196	146	77
28	11	11	11	11	11	11	11	243	177	196	146	77
29	11	11	11	11	---	11	11	243	176	196	146	77
30	11	11	11	11	---	11	11	243	176	193	146	77
31	11	---	11	11	---	11	---	243	---	183	146	---
TOTAL	1357	801	341	341	308	341	324.4	4674	6413	5355	4964	3273
MEAN	43.8	26.7	11.0	11.0	11.0	11.0	10.8	151	214	173	160	109
AC-FT	2690	1590	676	676	611	676	643	9270	12720	10620	9850	6490
MAX	107	76	11	11	11	11	11	254	246	201	180	146
MIN	11	11	11	11	11	11	7.7	11	176	137	146	77

CAL YR	2005	TOTAL	49309.7	MEAN	135	MAX	753	MIN	6.7	AC-FT	97810
WTR YR	2006	TOTAL	28492.4	MEAN	78.1	MAX	254	MIN	7.7	AC-FT	56510

MAX DISCH: 257 CFS AT 13:45 ON May. 22, 2006 GH 3.26 FT. SHIFT 0.03 FT.
MAX GH: 3.26 FT. AT 13:45 ON May. 22, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09357500 ANIMAS RIVER AT HOWARDSVILLE, CO

LOCATION.--Lat 37°49'59", long 107°35'56", in SE¼SE¼ sec. 2, T.41 N., R.7 W., NMPM, San Juan County.

DRAINAGE AREA.--55.9 mi².

GAGE.--Graphic water stage-recorder and a Sutron 8200 DCP with a shaft encoder on a separate float in a 36"x 36" wooden shelter and well. The DCP record is the primary record. The primary reference gage is a steel drop tape referenced to an adjustable reference point (RP). Datum of gage is 9,616.98 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 18, 1939, at datum 1.00 ft. higher.

REMARKS.--The record is complete. Record is reliable, except for the following periods when the stage-discharge relationship was affected by ice: Nov. 28-29; Dec. 5-8, 14-17, 30, 2005; Jan. 2, 4-7, 9-11, 13-14, 16, 17, 20-25, 27, 30; Feb. 1, 3, 4, 6-14, 16, 17, 19, 22-26; March 6, 8-14, 16, 20, 21, 23, 24, 27, 31, 2006. Record good, except for the winter period of ice effect, which is poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--ANIHOWCO08 USED FROM 01-OCT-2005 TO 10-OCT-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

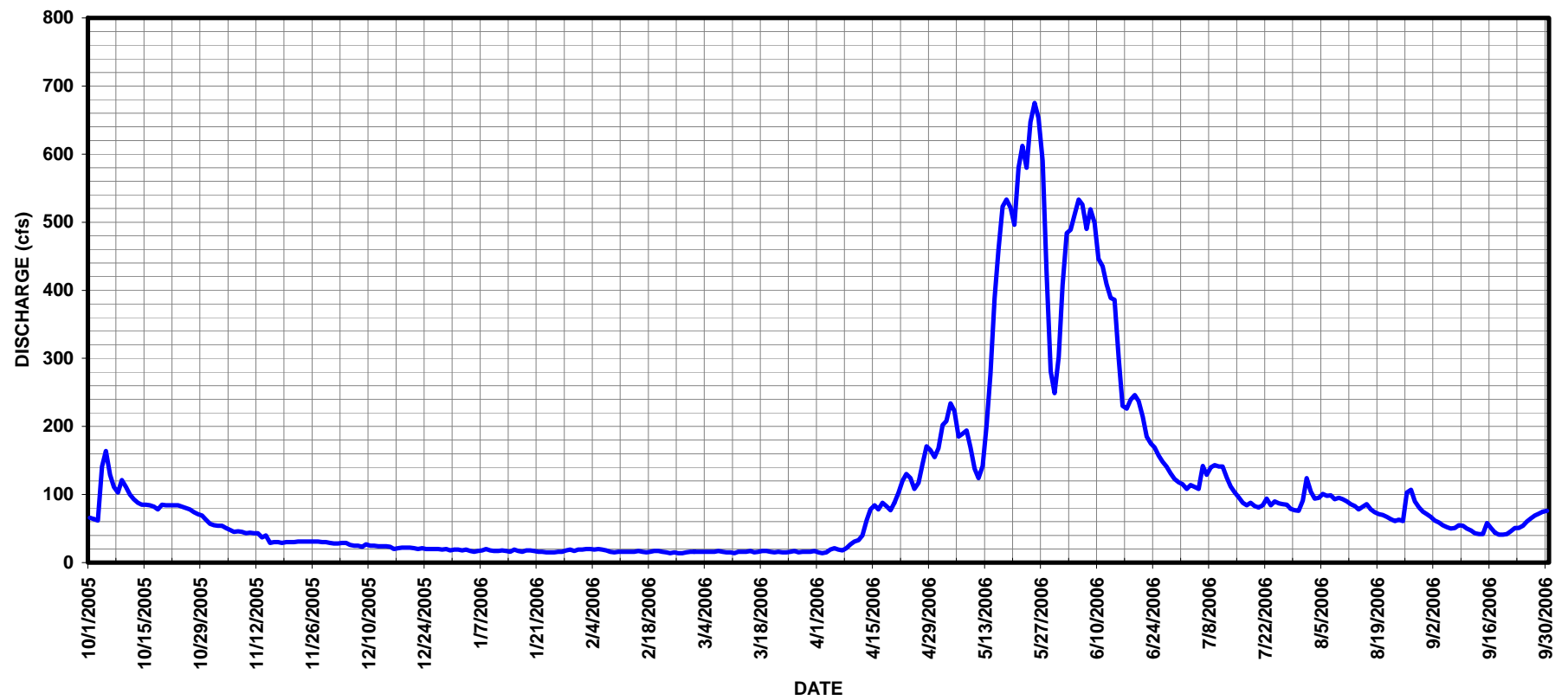
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	55	28	19	19e	16	15	168	408	115	124	67
2	64	54	28	18e	20	16	14	202	484	108	104	62
3	62	54	29	19	20e	16	15	208	489	114	94	59
4	141	51	29	17e	19e	16	19	234	512	111	95	55
5	164	48	26e	16e	20	16e	21	223	533	108	101	52
6	129	45	25e	17e	19e	16	19	185	526	142	98	50
7	111	46	25e	18e	18e	17	18	189	490	129	99	51
8	103	45	23e	20	16e	16e	21	194	519	140	93	55
9	121	43	27	18e	15e	15e	27	169	499	143	95	54
10	111	44	25	17e	16e	15e	31	138	446	141	93	50
11	100	43	25	17e	16e	14e	33	124	435	141	90	47
12	93	43	24	18	16e	16e	40	142	409	125	86	43
13	88	37	24	17e	16e	16e	62	201	389	112	83	42
14	85	40	24e	16e	16e	16e	78	276	386	103	78	42
15	85	29	23e	19	17	17	84	388	300	96	82	58
16	84	30	20e	17e	16e	15e	78	459	230	88	86	51
17	82	30	21e	16e	15e	16	88	523	226	84	78	44
18	78	29	22	18	16	17	83	533	239	88	74	41
19	85	30	22	18	17e	17	77	521	246	83	71	41
20	84	30	22	17e	17	16e	88	496	237	81	70	42
21	84	30	21	16e	16	15e	103	580	214	84	67	46
22	84	31	20	16e	15e	16	120	612	185	94	64	51
23	84	31	21	15e	14e	15e	130	580	175	84	61	51
24	82	31	20	15e	15e	15e	124	647	169	90	63	54
25	80	31	20	15e	14e	16	108	675	157	87	61	60
26	78	31	20	16	14e	17	117	653	148	86	103	65
27	74	31	20	16e	15	15e	144	590	141	85	107	69
28	71	30e	19	18	16	16	171	428	131	79	90	72
29	69	30e	20	19	---	16	165	281	123	77	81	75
30	63	29	18e	17e	---	16	155	249	118	76	75	76
31	57	---	19	19	---	17e	---	302	---	91	71	---
TOTAL	2762	1131	710	534	463	493	2248	11170	9564	3185	2637	1625
MEAN	89.1	37.7	22.9	17.2	16.5	15.9	74.9	360	319	103	85.1	54.2
AC-FT	5480	2240	1410	1060	918	978	4460	22160	18970	6320	5230	3220
MAX	164	55	29	20	20	17	171	675	533	143	124	76
MIN	57	29	18	15	14	14	14	124	118	76	61	41

CAL YR	2005	TOTAL	43424	MEAN	119	MAX	948	MIN	17	AC-FT	86130
WTR YR	2006	TOTAL	36522	MEAN	100	MAX	675	MIN	14	AC-FT	72440

MAX DISCH: 888 CFS AT 20:30 ON May. 24, 2006 GH 3.16 FT. SHIFT 0.03 FT. DATUM -0.02 FT.
 MAX GH: 3.16 FT. AT 20:30 ON May. 24, 2006 DATUM -0.02 FT.

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09357500 ANIMAS RIVER AT HOWARDSVILLE CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°19'26", long 108°03'41", in SE¼NW¼ sec. 3, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink 2 HDR DCP in a wooden shelter and metal well at a 5 foot Parshall flume.

REMARKS.--Record is complete and reliable. Record good. Station maintained by Matthew A. Schmitt. Record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LPCDITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

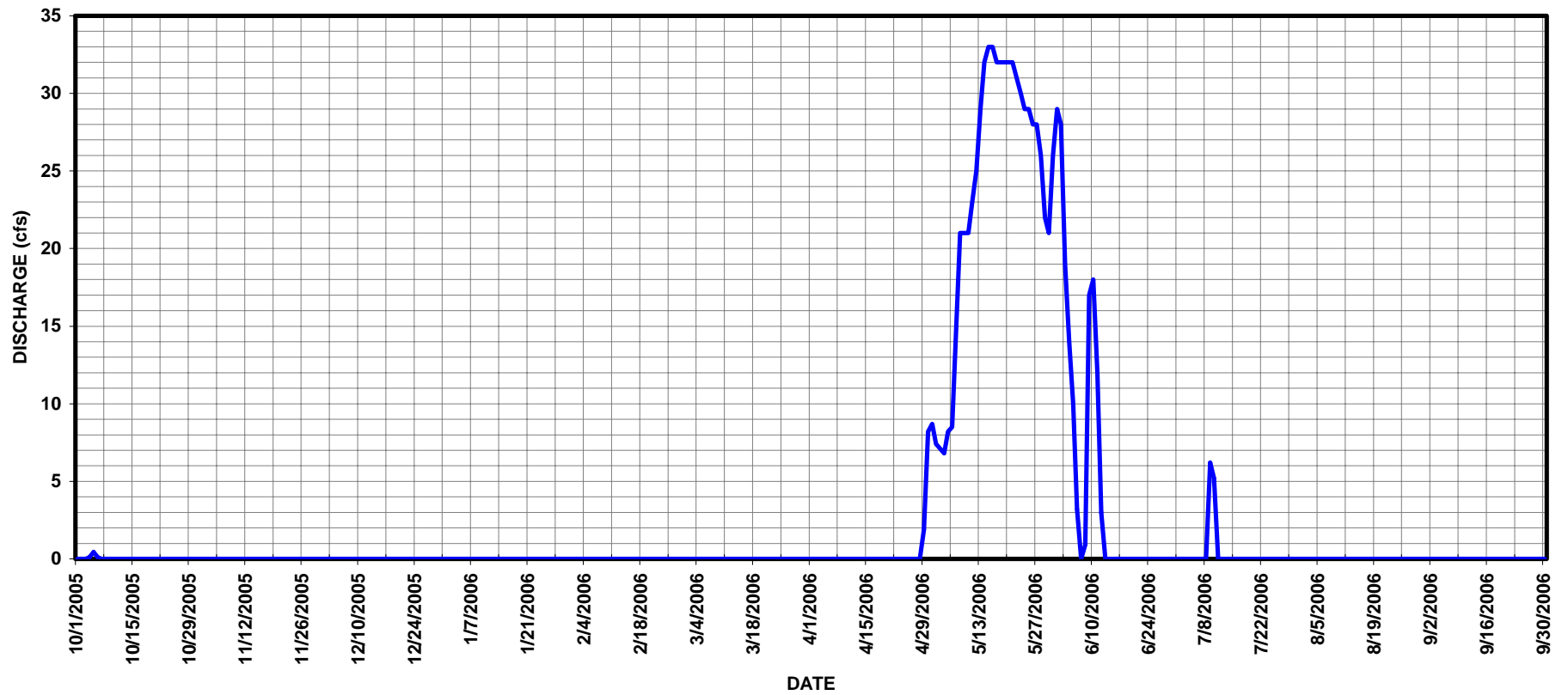
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	8.7	29	0	0	0
2	0	0	0	0	0	0	0	7.4	28	0	0	0
3	0	0	0	0	0	0	0	7.1	19	0	0	0
4	.10	0	0	0	0	0	0	6.8	14	0	0	0
5	.45	0	0	0	0	0	0	8.2	10	0	0	0
6	.11	0	0	0	0	0	0	8.5	3.2	0	0	0
7	0	0	0	0	0	0	0	15	0	0	0	0
8	0	0	0	0	0	0	0	21	.92	0	0	0
9	0	0	0	0	0	0	0	21	17	6.2	0	0
10	0	0	0	0	0	0	0	21	18	5.2	0	0
11	0	0	0	0	0	0	0	23	12	0	0	0
12	0	0	0	0	0	0	0	25	3.0	0	0	0
13	0	0	0	0	0	0	0	29	0	0	0	0
14	0	0	0	0	0	0	0	32	0	0	0	0
15	0	0	0	0	0	0	0	33	0	0	0	0
16	0	0	0	0	0	0	0	33	0	0	0	0
17	0	0	0	0	0	0	0	32	0	0	0	0
18	0	0	0	0	0	0	0	32	0	0	0	0
19	0	0	0	0	0	0	0	32	0	0	0	0
20	0	0	0	0	0	0	0	32	0	0	0	0
21	0	0	0	0	0	0	0	32	0	0	0	0
22	0	0	0	0	0	0	0	31	0	0	0	0
23	0	0	0	0	0	0	0	30	0	0	0	0
24	0	0	0	0	0	0	0	29	0	0	0	0
25	0	0	0	0	0	0	0	29	0	0	0	0
26	0	0	0	0	0	0	0	28	0	0	0	0
27	0	0	0	0	0	0	0	28	0	0	0	0
28	0	0	0	0	0	0	0	26	0	0	0	0
29	0	0	0	0	---	0	1.9	22	0	0	0	0
30	0	0	0	0	---	0	8.2	21	0	0	0	0
31	0	---	0	0	---	0	---	26	---	0	0	---
TOTAL	.66	0	0	0	0	0	10.1	729.7	154.12	11.4	0	0
MEAN	.021	0	0	0	0	0	.34	23.5	5.14	.37	0	0
AC-FT	1.3	0	0	0	0	0	20	1450	306	23	0	0
MAX	.45	0	0	0	0	0	8.2	33	29	6.2	0	0
MIN	0	0	0	0	0	0	0	6.8	0	0	0	0

CAL YR	2005	TOTAL	807.42	MEAN	2.21	MAX	30	MIN	0	AC-FT	1600
WTR YR	2006	TOTAL	905.98	MEAN	2.48	MAX	33	MIN	0	AC-FT	1800

MAX DISCH: 33.7 CFS AT 00:15 ON May. 21, 2006 GH 1.39 FT. SHIFT 0 FT.
MAX GH: 1.39 FT. AT 00:15 ON May. 21, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

PINE RIDGE DITCH NEAR HESPERUS, CO

LOCATION.--Lat 37°17'31", long 108°02'07", in SW¼NE¼ sec. 14, T.35 N., R.11 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Graphic water-stage recorder and a Sutron 2 HDR DCP on separate floats in a metal shelter and concrete well at a 3 foot Parshall flume.

REMARKS.--Record complete and reliable, except for March January 14-31, 2006, due to ice affecting the stage-discharge relationship and floats frozen in the well. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained by Matthew A. Schmitt. Record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--PINDITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

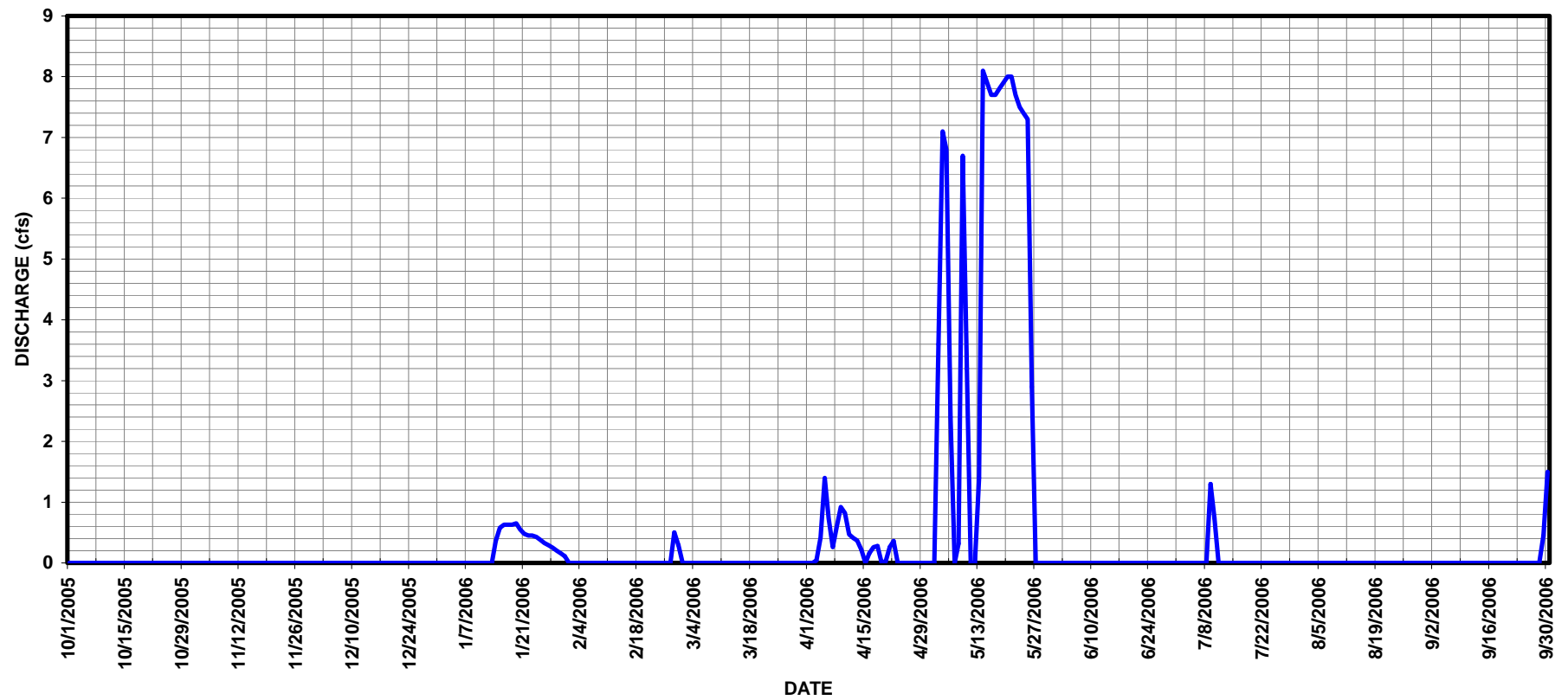
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	.04	3.6	0	0	0	0
4	0	0	0	0	0	0	.42	7.1	0	0	0	0
5	0	0	0	0	0	0	1.4	6.8	0	0	0	0
6	0	0	0	0	0	0	.74	2.4	0	0	0	0
7	0	0	0	0	0	0	.26	0	0	0	0	0
8	0	0	0	0	0	0	.61	.32	0	0	0	0
9	0	0	0	0	0	0	.92	6.7	0	1.3	0	0
10	0	0	0	0	0	0	.82	3.2	0	.74	0	0
11	0	0	0	0	0	0	.47	0	0	0	0	0
12	0	0	0	0	0	0	.41	0	0	0	0	0
13	0	0	0	0	0	0	.37	1.4	0	0	0	0
14	0	0	0	.36e	0	0	.22	8.1	0	0	0	0
15	0	0	0	.58e	0	0	0	7.9	0	0	0	0
16	0	0	0	.63e	0	0	.16	7.7	0	0	0	0
17	0	0	0	.63e	0	0	.26	7.7	0	0	0	0
18	0	0	0	.63e	0	0	.28	7.8	0	0	0	0
19	0	0	0	.65e	0	0	.02	7.9	0	0	0	0
20	0	0	0	.55e	0	0	.02	8.0	0	0	0	0
21	0	0	0	.48e	0	0	.26	8.0	0	0	0	0
22	0	0	0	.45e	0	0	.36	7.7	0	0	0	0
23	0	0	0	.45e	0	0	0	7.5	0	0	0	0
24	0	0	0	.43e	0	0	0	7.4	0	0	0	0
25	0	0	0	.38e	0	0	0	7.3	0	0	0	0
26	0	0	0	.33e	0	0	0	2.9	0	0	0	0
27	0	0	0	.29e	.50	0	0	0	0	0	0	0
28	0	0	0	.25e	.29	0	0	0	0	0	0	0
29	0	0	0	.20e	---	0	0	0	0	0	0	.45
30	0	0	0	.16e	---	0	0	0	0	0	0	1.5
31	0	---	0	.11e	---	0	---	0	---	0	0	---
TOTAL	0	0	0	7.56	.79	0	8.04	127.42	0	2.04	0	1.95
MEAN	0	0	0	.24	.028	0	.27	4.11	0	.066	0	.065
AC-FT	0	0	0	15	1.6	0	16	253	0	4.0	0	3.9
MAX	0	0	0	.65	.50	0	1.4	8.1	0	1.3	0	1.5
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR	2005	TOTAL	273.44	MEAN	0.75	MAX	11	MIN	0	AC-FT	542
WTR YR	2006	TOTAL	147.80	MEAN	0.40	MAX	8.1	MIN	0	AC-FT	293

MAX DISCH: 8.63 CFS AT 06:00 ON May. 14, 2006 GH 0.83 FT. SHIFT -0.02 FT.
MAX GH: 0.83 FT. AT 06:00 ON May. 14, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

PINE RIDGE DITCH NEAR HESPERUS CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09365500 LA PLATA RIVER AT HESPERUS, CO

LOCATION.--Lat 37°17'23", long 108°02'24", in NE¼SW¼ sec. 14, T.35 N., R.11 W., NMPM La Plata County, Hydrologic Unit 14080105, on right bank at Hesperus 700 ft downstream from U.S. Highway 160.

DRAINAGE AREA AND PERIOD OF RECORD.--37 mi², approximately. Periodic data June 1904 to Nov. 1910. Continuous from June 1917 to current year, with some periods of monthly data only.

GAGE.--Graphic water stage-recorder and a Sutron Satlink 2 HDR DCP with a shaft encoder on a separate float, and an air temperature sensor, in a 64"x 64" concrete block shelter and a 42" concrete well. The DCP record is the primary record. Datum of gage is 8,104.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP logger files. It is reliable, except for the following days when ice on the control affected the gage height: Nov. 28, 29; Dec. 4-12, 15-19, 2005; Jan. 2, 4-18, 20-30, Feb. 1, 3, 4, 6-14, 16-26; Mar. 8-14, 2006. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LAPHESCO37 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

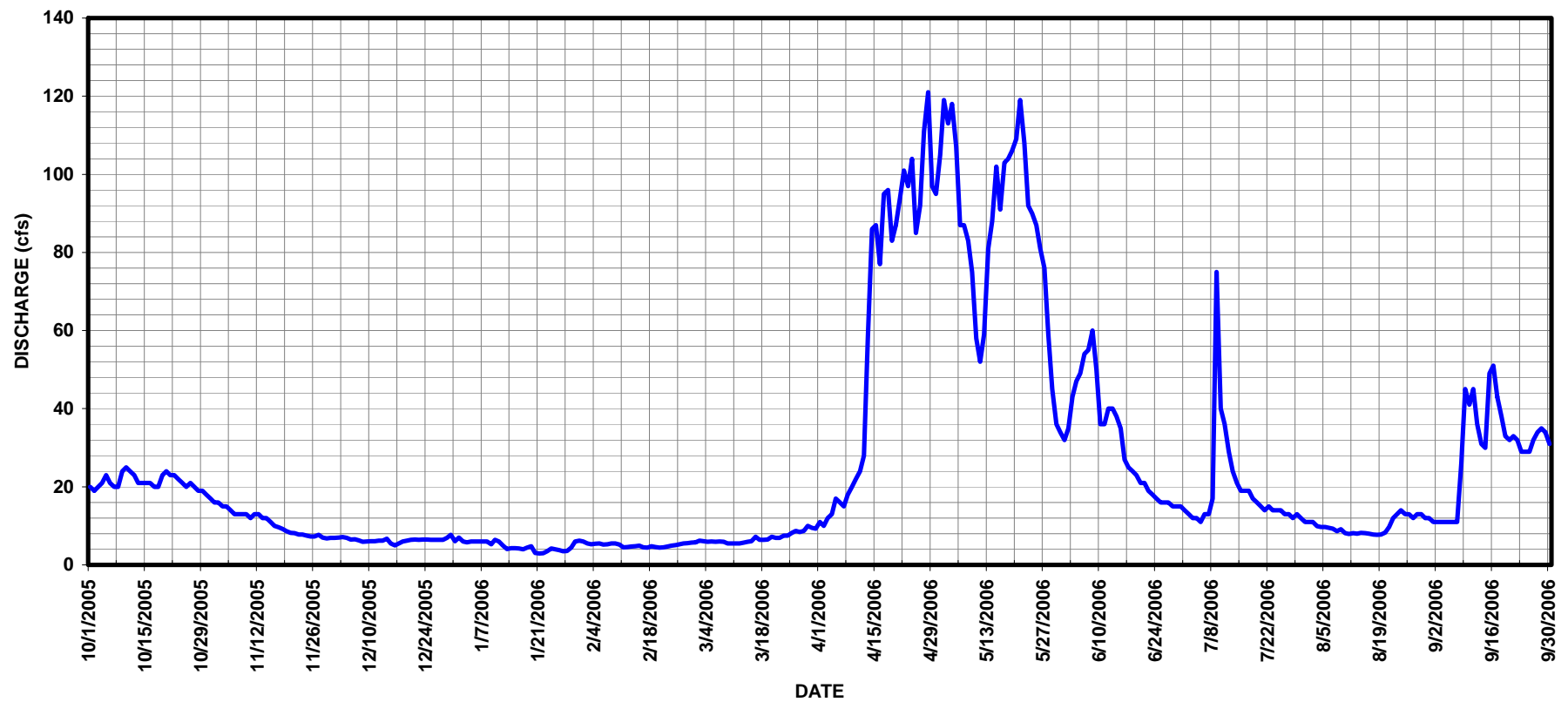
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	16	6.9	7.0	6.0e	5.8	11	105	32	14	11	11
2	19	16	7.0	6.0e	5.5	6.2	10	119	35	13	11	11
3	20	15	7.1	5.8	5.3e	6.1	12	113	43	12	9.9	11
4	21	15	6.9e	6.0e	5.4e	5.9	13	118	47	12	9.7	11
5	23	14	6.5e	6.0e	5.5	6.0	17	107	49	11	9.7	11
6	21	13	6.6e	6.0e	5.2e	5.9	16	87	54	13	9.5	11
7	20	13	6.3e	6.0e	5.3e	6.0	15	87	55	13	9.3	11
8	20	13	5.9e	6.0e	5.5e	5.9e	18	83	60	17	8.6	26
9	24	13	6.0e	5.3e	5.5e	5.5e	20	75	50	75	9.1	45
10	25	12	6.1e	6.4e	5.2e	5.5e	22	58	36	40	8.1	41
11	24	13	6.1e	6.0e	4.5e	5.5e	24	52	36	36	7.9	45
12	23	13	6.2e	4.9e	4.6e	5.5e	28	59	40	29	8.1	36
13	21	12	6.2	4.1e	4.7e	5.7e	58	81	40	24	8.0	31
14	21	12	6.7	4.3e	4.8e	5.9e	86	88	38	21	8.2	30
15	21	11	5.5e	4.3e	4.9	6.1	87	102	35	19	8.1	49
16	21	10	5.0e	4.2e	4.5e	7.2	77	91	27	19	8.0	51
17	20	9.6	5.5e	4.0e	4.4e	6.4	95	103	25	19	7.8	43
18	20	9.2	6.0e	4.4e	4.8e	6.4	96	104	24	17	7.7	38
19	23	8.6	6.2e	4.8	4.6e	6.5	83	106	23	16	7.8	33
20	24	8.2	6.4	3.1e	4.4e	7.2	87	109	21	15	8.3	32
21	23	8.1	6.5	2.9e	4.5e	6.9	94	119	21	14	9.7	33
22	23	7.8	6.4	3.0e	4.7e	6.9	101	108	19	15	12	32
23	22	7.8	6.5	3.5e	4.9e	7.5	97	92	18	14	13	29
24	21	7.5	6.5	4.2e	5.1e	7.5	104	90	17	14	14	29
25	20	7.3	6.4	4.0e	5.3e	8.2	85	87	16	14	13	29
26	21	7.3	6.4	3.8e	5.5e	8.7	92	81	16	13	13	32
27	20	7.7	6.4	3.5e	5.6	8.4	111	76	16	13	12	34
28	19	7.0e	6.4	3.6e	5.7	8.7	121	59	15	12	13	35
29	19	6.8e	6.9	4.4e	---	10	97	45	15	13	13	34
30	18	6.9	7.7	6.0e	---	9.5	95	36	15	12	12	31
31	17	---	6.1	6.2	---	9.3	---	34	---	11	12	---
TOTAL	654	320.8	197.3	149.7	141.9	212.8	1872	2674	938	580	312.5	895
MEAN	21.1	10.7	6.36	4.83	5.07	6.86	62.4	86.3	31.3	18.7	10.1	29.8
AC-FT	1300	636	391	297	281	422	3710	5300	1860	1150	620	1780
MAX	25	16	7.7	7.0	6.0	10	121	119	60	75	14	51
MIN	17	6.8	5.0	2.9	4.4	5.5	10	34	15	11	7.7	11

CAL YR	2005	TOTAL	23878.1	MEAN	65.4	MAX	600	MIN	5.0	AC-FT	47360
WTR YR	2006	TOTAL	8948	MEAN	24.5	MAX	121	MIN	2.9	AC-FT	17750

MAX DISCH: 137 CFS AT 23:30 ON May. 20, 2006 GH 4.30 FT. SHIFT 0 FT.
MAX GH: 4.30 FT. AT 23:30 ON May. 20, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.

09365500 LA PLATA RIVER AT HESPERUS CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

CHERRY CREEK AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°07'03", long 108°11'53", in NW¼SW¼ sec. 7, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--66 mi².

GAGE.--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP with shaft encoder on separate floats in a concrete shelter and well. Datum of gauge is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is reliable, except for the following periods: stage-discharge relationship affected by ice: Nov. 16-30; Dec. 1-9, 2005; Mar. 6-20, 2006; and, floats frozen in the well: Dec. 10-31, 2005, Jan. 1-31; Feb 1-28; Mar. 1-5, 2006. Record poor. Record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--CHEREDCO03 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

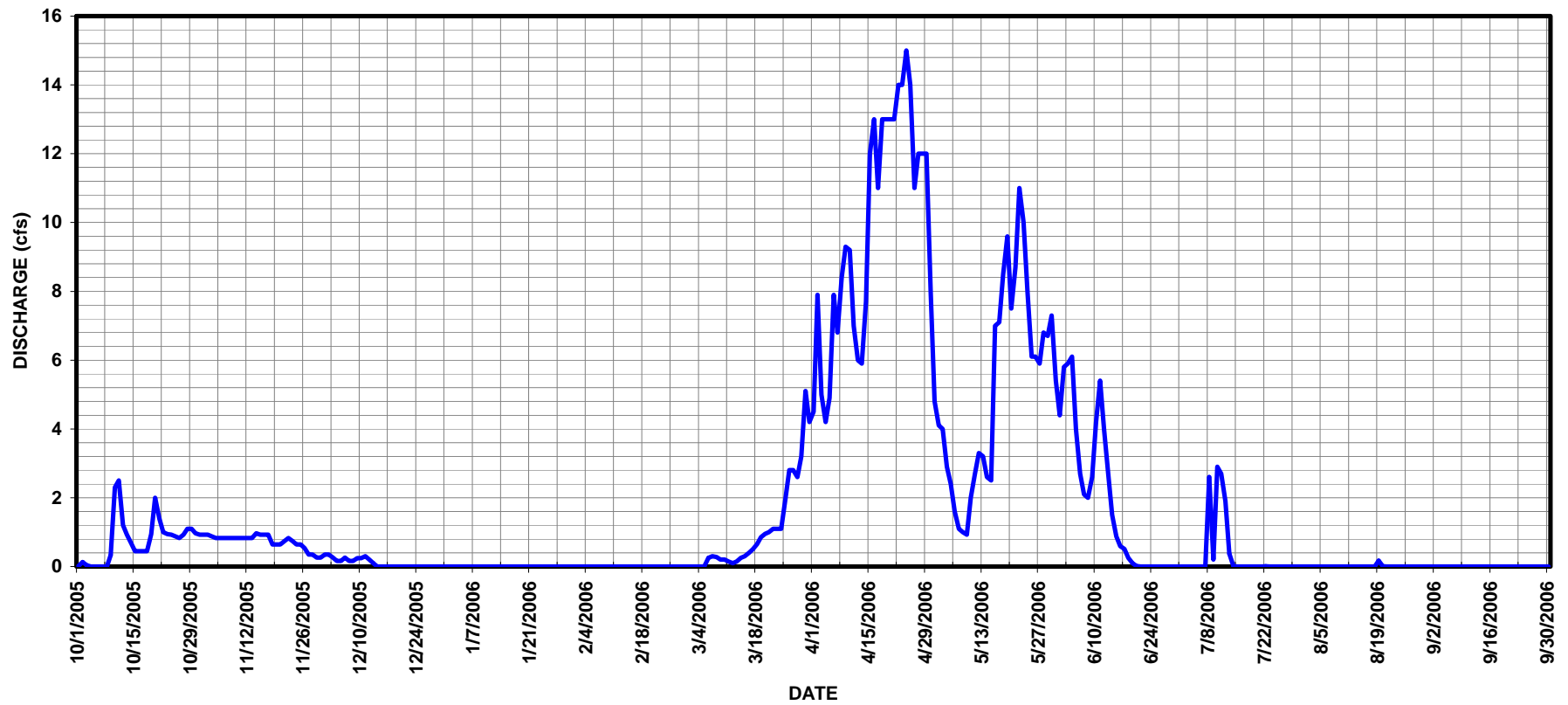
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.93	.35e	0e	0e	0e	4.5	4.8	4.4	0	0	0
2	.13	.93	.35e	0e	0e	0e	7.9	4.1	5.8	0	0	0
3	.04	.88	.26e	0e	0e	0e	5.0	4.0	5.9	0	0	0
4	0	.83	.16e	0e	0e	0e	4.2	2.9	6.1	0	0	0
5	0	.83	.16e	0e	0e	0e	4.9	2.4	4.0	0	0	0
6	0	.83	.26e	0e	0e	.25e	7.9	1.6	2.7	0	0	0
7	0	.83	.16e	0e	0e	.30e	6.8	1.1	2.1	0	0	0
8	0	.83	.16e	0e	0e	.28e	8.4	1.0	2.0	2.6	0	0
9	.33	.83	.24e	0e	0e	.20e	9.3	.93	2.6	.20	0	0
10	2.3	.83	.24e	0e	0e	.20e	9.2	2.0	4.2	2.9	0	0
11	2.5	.83	.30e	0e	0e	.15e	7.0	2.7	5.4	2.7	0	0
12	1.2	.83	.20e	0e	0e	.10e	6.0	3.3	4.0	1.9	0	0
13	.93	.83	.10e	0e	0e	.15e	5.9	3.2	2.7	.37	0	0
14	.68	.97	0e	0e	0e	.25e	7.7	2.6	1.5	.02	0	0
15	.45	.93	0e	0e	0e	.30e	12	2.5	.88	0	0	0
16	.45	.93e	0e	0e	0e	.40e	13	7.0	.59	0	0	0
17	.45	.93e	0e	0e	0e	.50e	11	7.1	.51	0	0	0
18	.45	.64e	0e	0e	0e	.65e	13	8.5	.25	0	0	0
19	.94	.64e	0e	0e	0e	.85e	13	9.6	.10	0	.17	0
20	2.0	.64e	0e	0e	0e	.95e	13	7.5	.02	0	.01	0
21	1.4	.74e	0e	0e	0e	1.0	13	8.7	0	0	0	0
22	1.0	.83e	0e	0e	0e	1.1	14	11	0	.01	0	0
23	.94	.74e	0e	0e	0e	1.1	14	10	0	0	0	0
24	.93	.64e	0e	0e	0e	1.1	15	8.0	0	0	0	0
25	.88	.64e	0e	0e	0e	1.9	14	6.1	0	0	0	0
26	.83	.54e	0e	0e	0e	2.8	11	6.1	0	0	0	0
27	.93	.35e	0e	0e	0e	2.8	12	5.9	0	0	0	0
28	1.1	.35e	0e	0e	0e	2.6	12	6.8	0	0	0	0
29	1.1	.26e	0e	0e	---	3.2	12	6.7	0	0	0	0
30	.97	.26e	0e	0e	---	5.1	8.0	7.3	0	0	0	0
31	.93	---	0e	0e	---	4.2	---	5.4	---	0	0	---
TOTAL	23.88	22.07	2.94	0	0	32.43	294.7	160.83	55.75	10.70	.18	0
MEAN	.77	.74	.095	0	0	1.05	9.82	5.19	1.86	.35	.006	0
AC-FT	47	44	5.8	0	0	64	585	319	111	21	.4	0
MAX	2.5	.97	.35	0	0	5.1	15	11	6.1	2.9	.17	0
MIN	0	.26	0	0	0	0	4.2	.93	0	0	0	0

CAL YR	2005	TOTAL	5191.05	MEAN	14.3	MAX	140	MIN	0	AC-FT	10300
WTR YR	2006	TOTAL	603.48	MEAN	1.65	MAX	15	MIN	0	AC-FT	1200

MAX DISCH: 104 CFS AT 19:30 ON Jul. 8, 2006 GH 3.02 FT. SHIFT 0 FT.
MAX GH: 3.02 FT. AT 19:30 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

CHERRY CREEK AT THE MOUTH NEAR RED MESA CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

LONG HOLLOW AT THE MOUTH NEAR RED MESA, CO

LOCATION.--Lat 37°03'02", long 108°10'23", in SE¼SW¼ sec. 32, T.33 N., R.12 W., NMPM, La Plata County.

DRAINAGE AREA.--46.5 mi².

GAGE.--Graphic water-stage recorder with a Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a 3' by 3' wooden shelter and well. The control is a four foot Parshall flume equipped with a staff gauge. The DCP record is the primary record. Datum of gauge is 6,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions was filled in from the DCP logger files or from the chart record. It is reliable except for the following periods: stage-discharge relationship affected by ice: Nov. 28, 29; Dec. 4, 5, 8-10, 2005; Jan. 10-14, 17, 18, 20-25; Feb. 11-14, 2006; floats were frozen in the well: Dec. 6, 7, 2005; and, gage height exceeded the rating table: Jul. 8, 9, 2006. Record fair except for days on which ice affected the stage-discharge relationship and periods of flow above 56 cfs which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LONREDCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

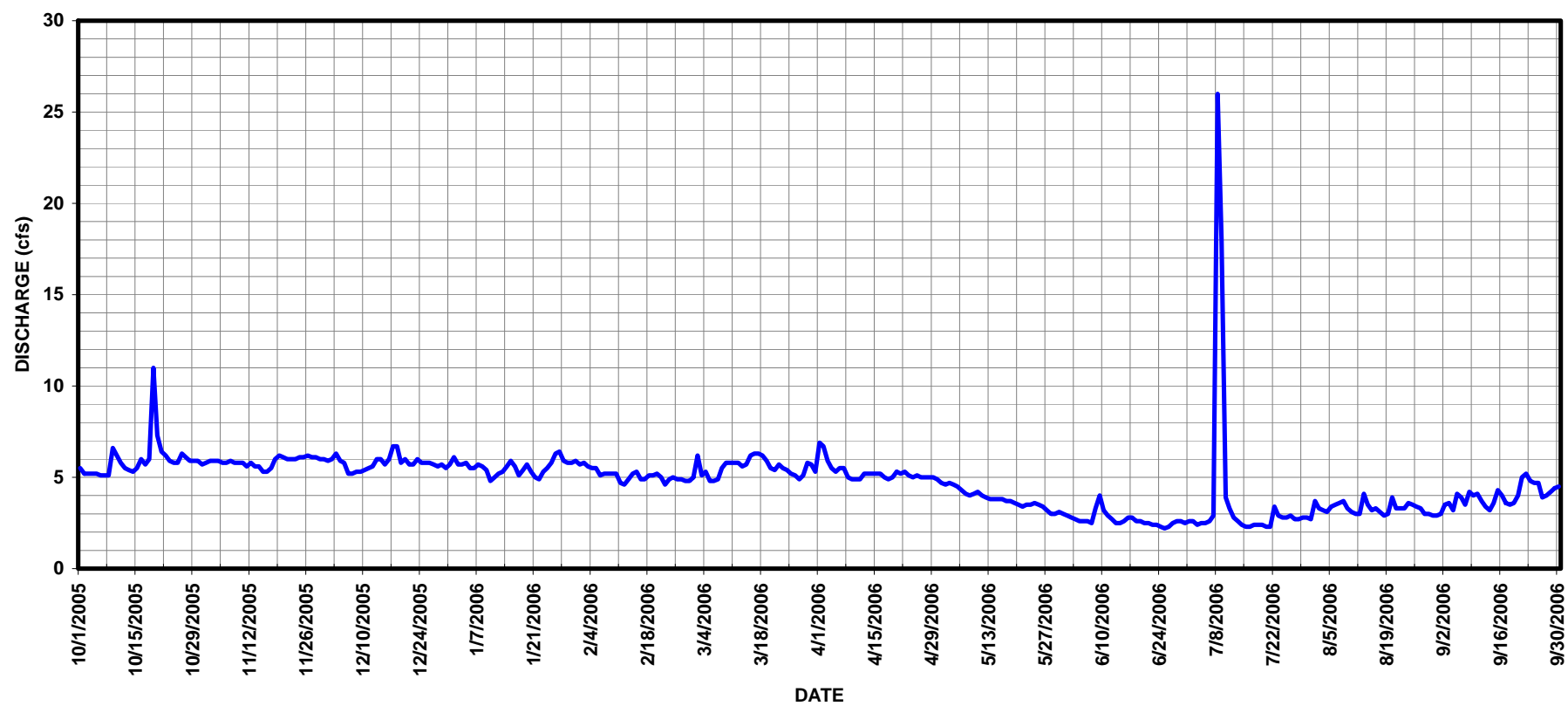
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.8	5.9	6.1	5.7	5.0	6.9	4.7	2.9	2.6	3.7	3.0
2	5.2	5.9	6.0	5.7	5.8	6.2	6.7	4.6	2.8	2.6	3.3	3.5
3	5.2	5.9	6.3	5.7	5.6	5.1	5.9	4.7	2.7	2.4	3.2	3.6
4	5.2	5.9	5.9e	5.8	5.5	5.3	5.5	4.6	2.6	2.5	3.1	3.2
5	5.2	5.8	5.8e	5.5	5.5	4.8	5.3	4.5	2.6	2.5	3.4	4.1
6	5.1	5.8	5.2e	5.5	5.1	4.8	5.5	4.3	2.6	2.6	3.5	3.9
7	5.1	5.9	5.2e	5.7	5.2	4.9	5.5	4.1	2.5	2.9	3.6	3.5
8	5.1	5.8	5.3e	5.6	5.2	5.5	5.0	4.0	3.3	2.6e	3.7	4.2
9	6.6	5.8	5.3e	5.4	5.2	5.8	4.9	4.1	4.0	1.8e	3.3	4.0
10	6.2	5.8	5.4e	4.8e	5.2	5.8	4.9	4.2	3.2	3.9	3.1	4.1
11	5.8	5.6	5.5	5.0e	4.7e	5.8	4.9	4.0	2.9	3.3	3.0	3.7
12	5.5	5.8	5.6	5.2e	4.6e	5.8	5.2	3.9	2.7	2.8	3.0	3.4
13	5.4	5.6	6.0	5.3e	4.9e	5.6	5.2	3.8	2.5	2.6	4.1	3.2
14	5.3	5.6	6.0	5.6e	5.2e	5.7	5.2	3.8	2.5	2.4	3.5	3.6
15	5.5	5.3	5.7	5.9	5.3	6.2	5.2	3.8	2.6	2.3	3.2	4.3
16	6.0	5.3	6.0	5.6	4.9	6.3	5.2	3.8	2.8	2.3	3.3	4.0
17	5.7	5.5	6.7	5.1e	4.9	6.3	5.0	3.7	2.8	2.4	3.1	3.6
18	6.0	6.0	6.7	5.4e	5.1	6.2	4.9	3.7	2.6	2.4	2.9	3.5
19	11	6.2	5.8	5.7	5.1	5.9	5.0	3.6	2.6	2.4	3.0	3.6
20	7.3	6.1	6.0	5.3e	5.2	5.5	5.3	3.5	2.5	2.3	3.9	4.0
21	6.4	6.0	5.7	5.0e	5.0	5.4	5.2	3.4	2.5	2.3	3.3	5.0
22	6.2	6.0	5.7	4.9e	4.6	5.7	5.3	3.5	2.4	3.4	3.3	5.2
23	5.9	6.0	6.0	5.3e	4.9	5.5	5.1	3.5	2.4	2.9	3.3	4.8
24	5.8	6.1	5.8	5.5e	5.0	5.4	5.0	3.6	2.3	2.8	3.6	4.7
25	5.8	6.1	5.8	5.8e	4.9	5.2	5.1	3.5	2.2	2.8	3.5	4.7
26	6.3	6.2	5.8	6.3	4.9	5.1	5.0	3.4	2.3	2.9	3.4	3.9
27	6.1	6.1	5.7	6.4	4.8	4.9	5.0	3.2	2.5	2.7	3.3	4.0
28	5.9	6.1e	5.6	5.9	4.8	5.1	5.0	3.0	2.6	2.7	3.0	4.2
29	5.9	6.0e	5.7	5.8	---	5.8	5.0	3.0	2.6	2.8	3.0	4.4
30	5.9	6.0	5.5	5.8	---	5.7	4.9	3.1	2.5	2.8	2.9	4.5
31	5.7	---	5.7	5.9	---	5.3	---	3.0	---	2.7	2.9	---
TOTAL	183.8	176.0	179.3	172.5	142.8	171.6	157.8	117.6	80.0	122.0	102.4	119.4
MEAN	5.93	5.87	5.78	5.56	5.10	5.54	5.26	3.79	2.67	3.94	3.30	3.98
AC-FT	365	349	356	342	283	340	313	233	159	242	203	237
MAX	11	6.2	6.7	6.4	5.8	6.3	6.9	4.7	4.0	26	4.1	5.2
MIN	5.1	5.3	5.2	4.8	4.6	4.8	4.9	3.0	2.2	2.3	2.9	3.0

CAL YR	2005	TOTAL	2434.6	MEAN	6.67	MAX	19	MIN	2.0	AC-FT	4830
WTR YR	2006	TOTAL	1725.2	MEAN	4.73	MAX	26	MIN	2.2	AC-FT	3420

MAX DISCH: UNDETERMINED AT 21:15 ON Jul. 8, 2006 GH 3.76 FT. SHIFT 0.02 FT.
MAX GH: 3.76 FT. AT 21:15 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e=Estimated

LONG HOLLOW AT THE MOUTH NEAR RED MESA CO
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 36°59'58", long 108°11'09", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink 2 HDR DCP and shaft encoder in a shelter and well at a 1 foot Parshall flume.

REMARKS.--Record from the DCP is complete, any data missing from the initial satellite transmissions were filled in from the DCP's logger files. Record is reliable, except for the following days when ice on the control affected the gage height: March 13, 14, 2006. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--PIODITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

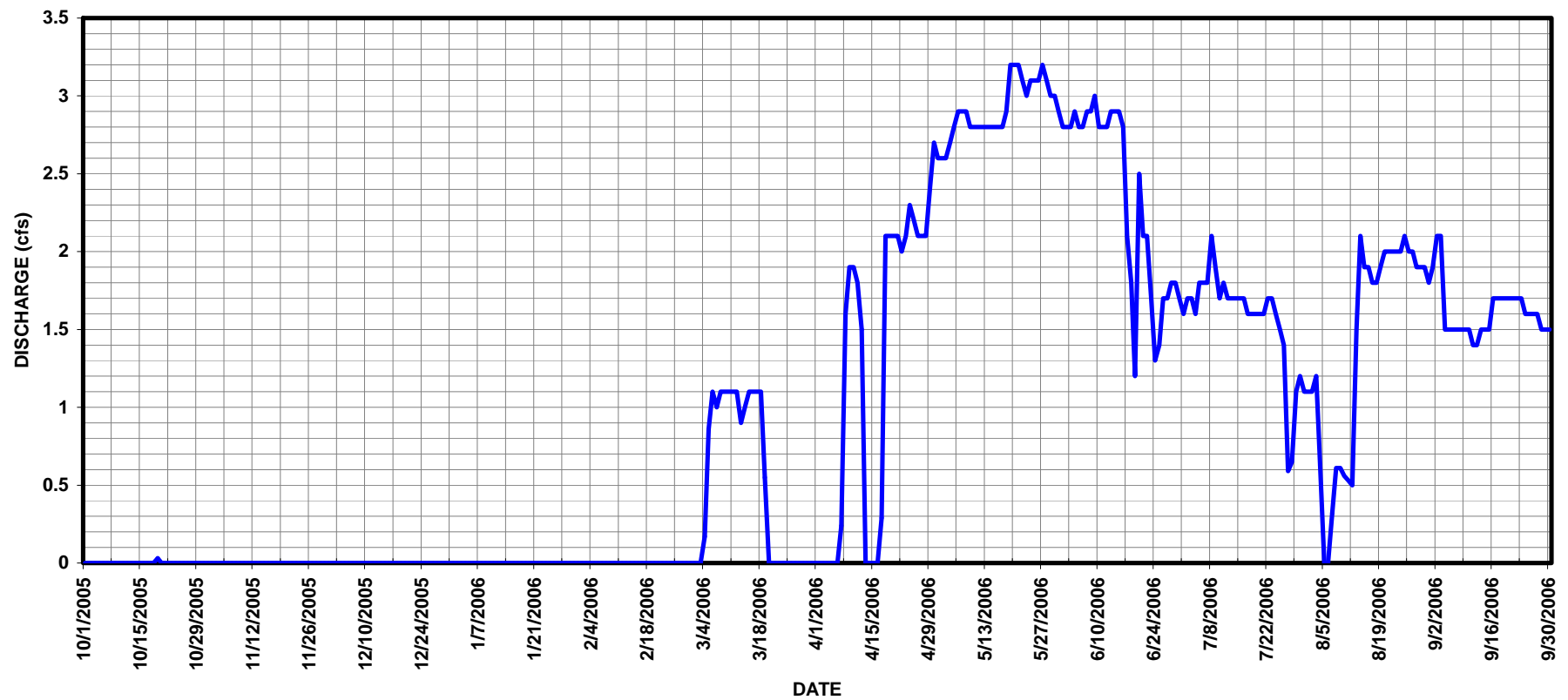
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.6	2.8	1.6	1.1	1.9
2	0	0	0	0	0	0	0	2.6	2.8	1.7	1.1	2.1
3	0	0	0	0	0	0	0	2.6	2.8	1.7	1.2	2.1
4	0	0	0	0	0	.17	0	2.7	2.9	1.6	.63	1.5
5	0	0	0	0	0	.86	0	2.8	2.8	1.8	0	1.5
6	0	0	0	0	0	1.1	0	2.9	2.8	1.8	0	1.5
7	0	0	0	0	0	1.0	.24	2.9	2.9	1.8	.32	1.5
8	0	0	0	0	0	1.1	1.6	2.9	2.9	2.1	.61	1.5
9	0	0	0	0	0	1.1	1.9	2.8	3.0	1.9	.61	1.5
10	0	0	0	0	0	1.1	1.9	2.8	2.8	1.7	.56	1.5
11	0	0	0	0	0	1.1	1.8	2.8	2.8	1.8	.53	1.4
12	0	0	0	0	0	1.1	1.5	2.8	2.8	1.7	.50	1.4
13	0	0	0	0	0	.90e	0	2.8	2.9	1.7	1.5	1.5
14	0	0	0	0	0	1.0e	0	2.8	2.9	1.7	2.1	1.5
15	0	0	0	0	0	1.1	0	2.8	2.9	1.7	1.9	1.5
16	0	0	0	0	0	1.1	0	2.8	2.8	1.7	1.9	1.7
17	0	0	0	0	0	1.1	.29	2.8	2.1	1.6	1.8	1.7
18	0	0	0	0	0	1.1	2.1	2.9	1.8	1.6	1.8	1.7
19	.03	0	0	0	0	.55	2.1	3.2	1.2	1.6	1.9	1.7
20	0	0	0	0	0	0	2.1	3.2	2.5	1.6	2.0	1.7
21	0	0	0	0	0	0	2.1	3.2	2.1	1.6	2.0	1.7
22	0	0	0	0	0	0	2.0	3.1	2.1	1.7	2.0	1.7
23	0	0	0	0	0	0	2.1	3.0	1.7	1.7	2.0	1.7
24	0	0	0	0	0	0	2.3	3.1	1.3	1.6	2.0	1.6
25	0	0	0	0	0	0	2.2	3.1	1.4	1.5	2.1	1.6
26	0	0	0	0	0	0	2.1	3.1	1.7	1.4	2.0	1.6
27	0	0	0	0	0	0	2.1	3.2	1.7	.59	2.0	1.6
28	0	0	0	0	0	0	2.1	3.1	1.8	.65	1.9	1.5
29	0	0	0	0	---	0	2.4	3.0	1.8	1.1	1.9	1.5
30	0	0	0	0	---	0	2.7	3.0	1.7	1.2	1.9	1.5
31	0	---	0	0	---	0	---	2.9	---	1.1	1.8	---
TOTAL	.03	0	0	0	0	15.48	37.63	90.3	70.5	48.54	43.66	48.4
MEAN	.001	0	0	0	0	.50	1.25	2.91	2.35	1.57	1.41	1.61
AC-FT	.06	0	0	0	0	31	75	179	140	96	87	96
MAX	.03	0	0	0	0	1.1	2.7	3.2	3.0	2.1	2.1	2.1
MIN	0	0	0	0	0	0	0	2.6	1.2	.59	0	1.4

CAL YR	2005	TOTAL	344.05	MEAN	.94	MAX	3.8	MIN	0	AC-FT	682
WTR YR	2006	TOTAL	354.54	MEAN	.97	MAX	3.2	MIN	0	AC-FT	703

MAX DISCH: 5.15 CFS AT 20:45 ON Jul. 8, 2006 GH 1.20 FT. SHIFT -0.02 FT.
MAX GH: 1.20 FT. AT 20:45 ON Jul. 8, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e=Estimated

PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE

LOCATION.--Lat 37°00'50", long 108°11'18", in SW¼SE¼ sec. 3, T.32 N., R.13 W., NMPM, La Plata County.

DRAINAGE AREA.--N/A

GAGE.--Sutron Satlink 2 high data rate DCP in a metal shelter and well at a 2 foot Parshall flume. DCP record is the primary record.

REMARKS.--Record is complete and reliable, except for the following periods: Parshall Flume submerged from poor ditch conditions downstream: Apr. 17-30; May 1-6, 2006. Record is good, except for the period of submerged flume record. Record during this period should be considered poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--ENTDITCO01 USED FROM 01-OCT-2005 TO 30-SEP-2006

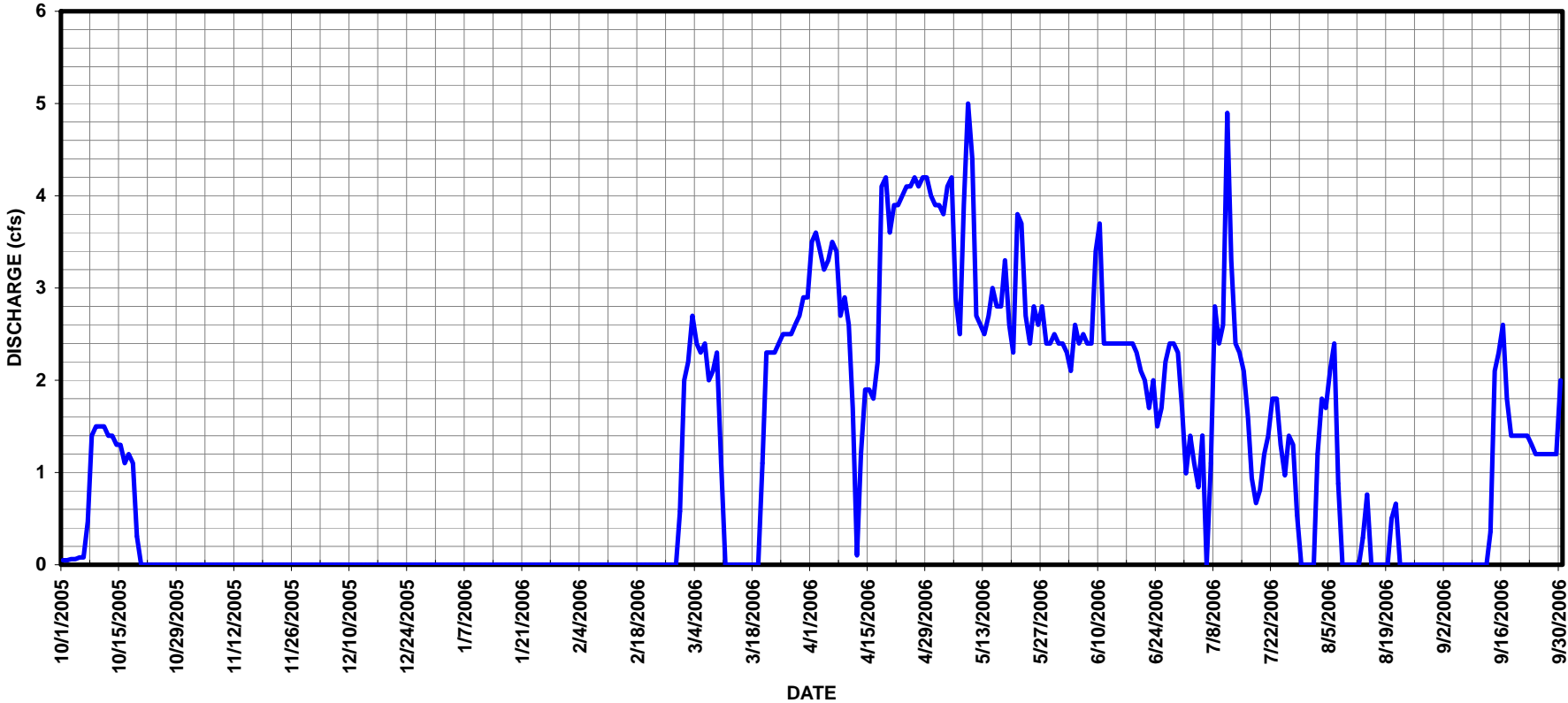
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	0	0	0	0	2.0	3.5	3.9e	2.4	.99	0	0
2	.05	0	0	0	0	2.2	3.6	3.9e	2.3	1.4	1.2	0
3	.06	0	0	0	0	2.7	3.4	3.8e	2.1	1.1	1.8	0
4	.06	0	0	0	0	2.4	3.2	4.1e	2.6	.84	1.7	0
5	.08	0	0	0	0	2.3	3.3	4.2e	2.4	1.4	2.1	0
6	.08	0	0	0	0	2.4	3.5	2.9e	2.5	0	2.4	0
7	.47	0	0	0	0	2.0	3.4	2.5	2.4	1.1	.88	0
8	1.4	0	0	0	0	2.1	2.7	3.9	2.4	2.8	0	0
9	1.5	0	0	0	0	2.3	2.9	5.0	3.4	2.4	0	0
10	1.5	0	0	0	0	1.1	2.6	4.4	3.7	2.6	0	0
11	1.5	0	0	0	0	0	1.7	2.7	2.4	4.9	0	0
12	1.4	0	0	0	0	0	.10	2.6	2.4	3.3	0	0
13	1.4	0	0	0	0	0	1.2	2.5	2.4	2.4	.29	.36
14	1.3	0	0	0	0	0	1.9	2.7	2.4	2.3	.76	2.1
15	1.3	0	0	0	0	0	1.9	3.0	2.4	2.1	0	2.3
16	1.1	0	0	0	0	0	1.8	2.8	2.4	1.6	0	2.6
17	1.2	0	0	0	0	0	2.2e	2.8	2.4	.94	0	1.8
18	1.1	0	0	0	0	0	4.1e	3.3	2.4	.67	0	1.4
19	.31	0	0	0	0	0	4.2e	2.6	2.3	.81	0	1.4
20	0	0	0	0	0	1.1	3.6e	2.3	2.1	1.2	.50	1.4
21	0	0	0	0	0	2.3	3.9e	3.8	2.0	1.4	.66	1.4
22	0	0	0	0	0	2.3	3.9e	3.7	1.7	1.8	0	1.4
23	0	0	0	0	0	2.3	4.0e	2.7	2.0	1.8	0	1.3
24	0	0	0	0	0	2.4	4.1e	2.4	1.5	1.3	0	1.2
25	0	0	0	0	0	2.5	4.1e	2.8	1.7	.97	0	1.2
26	0	0	0	0	0	2.5	4.2e	2.6	2.2	1.4	0	1.2
27	0	0	0	0	0	2.5	4.1e	2.8	2.4	1.3	0	1.2
28	0	0	0	0	.58	2.6	4.2e	2.4	2.4	.54	0	1.2
29	0	0	0	0	---	2.7	4.2e	2.4	2.3	0	0	1.2
30	0	0	0	0	---	2.9	4.0e	2.5	1.7	0	0	2.0
31	0	---	0	0	---	2.9	---	2.4	---	0	0	---
TOTAL	15.86	0	0	0	.58	50.5	95.50	96.4	69.7	45.36	12.29	26.66
MEAN	.51	0	0	0	.021	1.63	3.18	3.11	2.32	1.46	.40	.89
AC-FT	31	0	0	0	1.2	100	189	191	138	90	24	53
MAX	1.5	0	0	0	.58	2.9	4.2	5.0	3.7	4.9	2.4	2.6
MIN	0	0	0	0	0	0	.10	2.3	1.5	0	0	0
CAL YR 2005	TOTAL	457.71	MEAN	1.25	MAX	8.6	MIN	0	AC-FT	908		
WTR YR 2006	TOTAL	412.85	MEAN	1.13	MAX	5.0	MIN	0	AC-FT	819		

MAX DISCH: 5.23 CFS AT 07:45 ON Jul. 11, 2006 GH 0.79 FT. SHIFT -0.03 FT.
MAX GH: 0.83 FT. AT 13:30 ON Apr. 18, 2006 (Backwater from poor ditch conditions downstream)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE

LOCATION.--Lat 36°59'59", long 108°11'17", in NW¼SE¼ sec. 10, T.32 N., R.13 W., NMPM, La Plata County, CO, Hydrologic Unit 14080105, on right bank at Colorado-New Mexico State line, 0.5 mi downstream of Johnny Pond Arroyo, and 4.9 mi north of La Plata, NM.

DRAINAGE AREA AND PERIOD OF RECORD.--331 mi². Jan. 1920 to current year. Monthly data only for some periods.

GAGE.--Stevens A-71 graphic water stage-recorder and Sutron Satlink 2 HDR DCP and shaft encoder on separate floats in a 42-inch diameter concrete well and a 64-inch by 64-inch cement block shelter. The floats are located inside of a 14-inch PVC oil cylinder. Also equipped with an air temperature sensor. The DCP record is the primary record. Datum of gage is 5,975.15 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Record from the DCP is complete. Record is reliable, except for the following days when ice on the control affected the gage height: Nov. 27-29; Dec. 1, 6-23, 2005; Jan. 10-14, 16-18, 20-28; Feb. 7-9, 11-14, 2006. Record good, except for days on which ice affected the stage-discharge relationship. Record during this period should be considered poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--LAPMEXCO32 USED FROM 01-OCT-2005 TO 30-SEP-2006

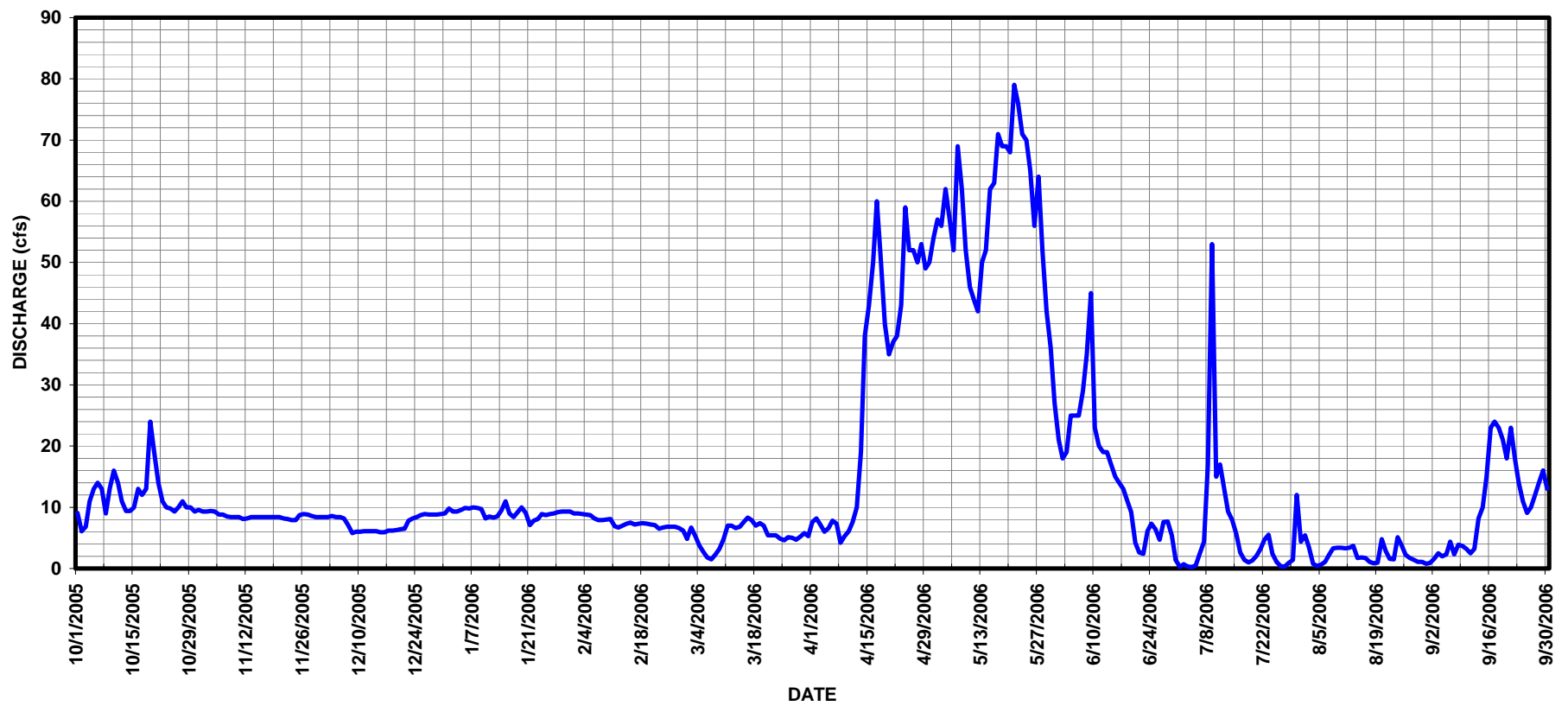
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	9.3	8.4e	9.8	9.0	4.9	7.6	54	21	.28	5.4	.89
2	6.1	9.3	8.4	9.3	9.0	6.7	8.2	57	18	.69	3.5	1.6
3	6.8	9.4	8.6	9.3	8.9	5.3	7.2	56	19	.31	.78	2.5
4	11	9.3	8.4	9.6	8.8	3.8	6.0	62	25	.21	.39	2.0
5	13	8.8	8.4	9.9	8.7	2.7	6.6	57	25	.48	.63	2.3
6	14	8.8	8.2e	9.8	8.2	1.8	7.8	52	25	2.5	1.1	4.4
7	13	8.5	7.1e	10	7.9e	1.5	7.3	69	29	4.4	2.2	2.3
8	9.0	8.4	5.8e	9.9	7.9e	2.3	4.2	62	35	17	3.3	3.9
9	13	8.4	6.0e	9.7	8.0e	3.2	5.3	52	45	53	3.4	3.7
10	16	8.4	6.0e	8.2e	8.1	4.8	6.1	46	23	15	3.4	3.2
11	14	8.1	6.1e	8.5e	6.9e	7.0	7.6	44	20	17	3.3	2.5
12	11	8.2	6.1e	8.3e	6.7e	7.0	10	42	19	13	3.4	3.2
13	9.4	8.4	6.1e	8.5e	7.0e	6.6	19	50	19	9.3	3.7	8.2
14	9.4	8.4	6.1e	9.5e	7.3e	6.8	38	52	17	7.9	1.7	10
15	10	8.4	5.9e	11	7.5	7.6	43	62	15	5.6	1.8	15
16	13	8.4	5.9e	9.0e	7.2	8.3	50	63	14	2.6	1.7	23
17	12	8.4	6.2e	8.4e	7.3	7.9	60	71	13	1.4	1.1	24
18	13	8.4	6.2e	9.2e	7.4	7.0	50	69	11	1.0	.88	23
19	24	8.4	6.3e	10	7.3	7.4	40	69	9.2	1.3	.93	21
20	19	8.4	6.4e	9.1e	7.2	7.0	35	68	4.2	2.1	4.8	18
21	14	8.2	6.5e	7.1e	7.1	5.4	37	79	2.6	3.2	2.9	23
22	11	8.1	7.8e	7.8e	6.5	5.4	38	76	2.4	4.7	1.6	18
23	10	7.9	8.2e	8.1e	6.7	5.4	43	71	6.1	5.5	1.5	14
24	9.8	7.9	8.4	8.9e	6.8	4.9	59	70	7.3	2.4	5.1	11
25	9.3	8.7	8.7	8.7e	6.8	4.6	52	65	6.4	1.1	3.7	9.1
26	10	8.9	8.9	8.9e	6.8	5.1	52	56	4.7	.35	2.2	10
27	11	8.8e	8.8	9.0e	6.6	5.0	50	64	7.6	.31	1.7	12
28	10	8.6e	8.8	9.2e	6.2	4.7	53	52	7.7	.92	1.4	14
29	10	8.4e	8.8	9.3	---	5.2	49	42	5.4	1.4	1.1	16
30	9.3	8.4	8.9	9.3	---	5.8	50	36	1.4	12	1.1	13
31	9.6	---	9.0	9.3	---	5.3	---	27	---	4.4	.79	---
TOTAL	359.8	256.0	229.4	282.6	209.8	166.4	901.9	1795	458.0	191.35	70.50	314.79
MEAN	11.6	8.53	7.40	9.12	7.49	5.37	30.1	57.9	15.3	6.17	2.27	10.5
AC-FT	714	508	455	561	416	330	1790	3560	908	380	140	624
MAX	24	9.4	9.0	11	9.0	8.3	60	79	45	53	5.4	24
MIN	6.1	7.9	5.8	7.1	6.2	1.5	4.2	27	1.4	.21	.39	.89
CAL YR	2005	TOTAL	20725.1	MEAN	56.8	MAX	519	MIN	2.2	AC-FT	41110	
WTR YR	2006	TOTAL	5235.54	MEAN	14.3	MAX	79	MIN	.21	AC-FT	10380	

MAX DISCH: 208 CFS AT 20:00 ON Jul. 30, 2006 GH 5.00 FT. SHIFT 0.04 FT.
MAX GH: 5.00 FT. AT 20:00 ON Jul. 30, 2006

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated.

09366500 LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE
WY2006 HYDROGRAPH



SAN JUAN RIVER BASIN

09370000 MANCOS RIVER NEAR MANCOS, CO

LOCATION.--Lat 37°21'13", long 108°15'41", in NE¼NE¼ sec. 27, T.36 N., R.13 W., NMPM, Montezuma County.

DRAINAGE AREA.--72.6 mi².

GAGE.--Graphic water-stage recorder and a Sutron SatLink 2 HDR DCP and shaft encoder on separate floats in a 42" concrete well and 64"x64" cement block shelter. The DCP is the primary record. Datum of gauge is 7,190 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record is complete. Record is reliable, except for the following periods: stage-discharge relationship affected by ice: Nov. 16-30, Dec. 1, 4-26, 28, 30, 2005; Jan. 2, 4-28, Feb. 1, 3-14, 16-27, March 8-16, 19, 20, 2006. Record fair, except for those periods of ice affected records, which are poor. Station maintained and record developed by Brian Boughton and Cheston Hart.

RATING TABLE.--MANMANCO09 USED FROM 01-OCT-2005 TO 30-SEP-2006

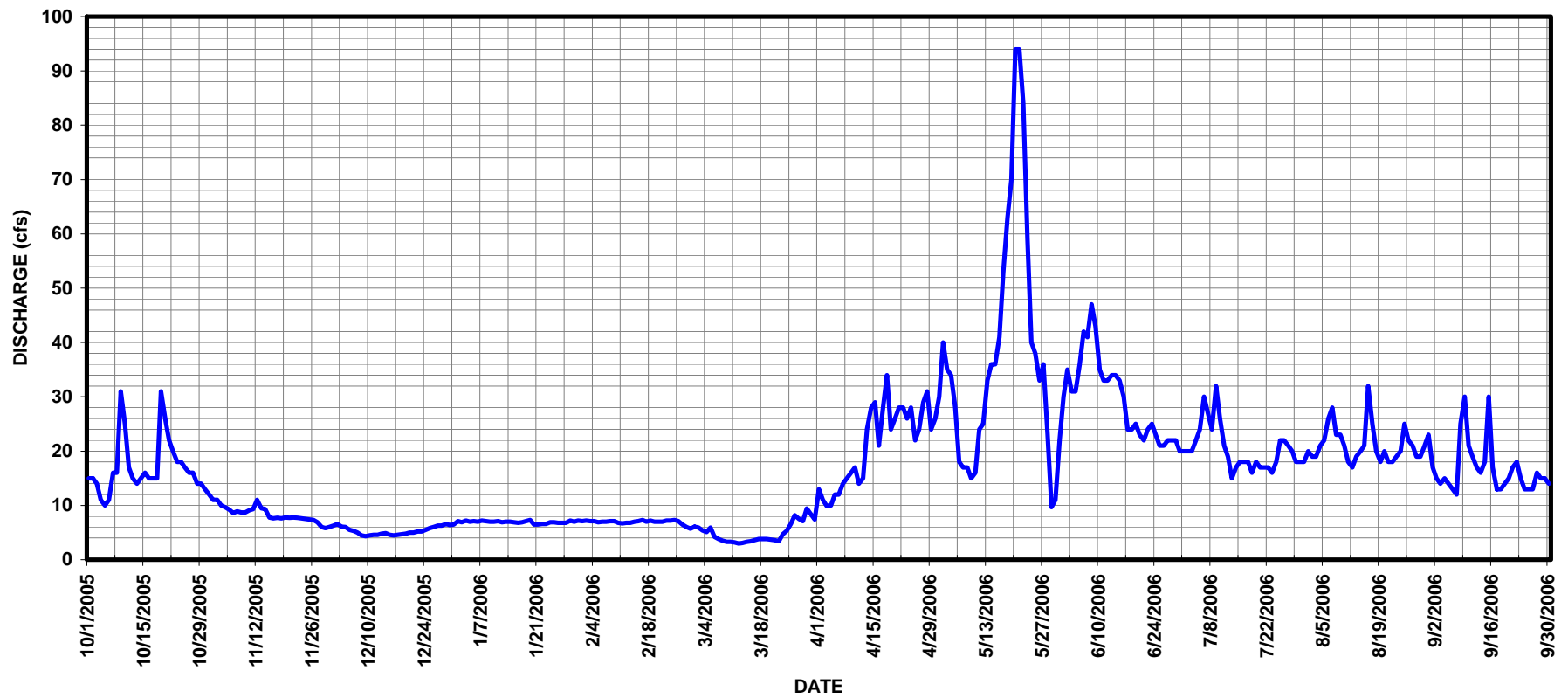
DISCHARGE, IN CFS, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	11	6.3e	7.1	7.1e	6.1	13	30	30	20	20	17
2	15	11	6.6	6.9e	7.2	5.9	11	40	35	20	19	15
3	14	10	6.1	7.2	7.1e	5.4	9.9	35	31	20	19	14
4	11	9.7	6.0e	7.0e	7.1e	5.1	10	34	31	22	21	15
5	10	9.2	5.5e	7.1e	6.9e	5.9	12	28	36	24	22	14
6	11	8.6	5.3e	7.0e	7.0e	4.2	12	18	42	30	26	13
7	16	8.9	5.0e	7.2e	7.0e	3.8	14	17	41	27	28	12
8	16	8.7	4.5e	7.1e	7.1e	3.5e	15	17	47	24	23	25
9	31	8.7	4.3e	7.0e	7.1e	3.3e	16	15	43	32	23	30
10	25	9.1	4.5e	7.0e	6.8e	3.3e	17	16	35	26	21	21
11	17	9.3	4.6e	7.1e	6.7e	3.2e	14	24	33	21	18	19
12	15	11	4.6e	6.9e	6.8e	3.0e	15	25	33	19	17	17
13	14	9.5	4.8e	7.0e	6.8e	3.1e	24	33	34	15	19	16
14	15	9.3	4.9e	7.0e	7.0e	3.3e	28	36	34	17	20	18
15	16	7.8	4.6e	6.9e	7.1	3.4e	29	36	33	18	21	30
16	15	7.6e	4.5e	6.8e	7.3e	3.6e	21	41	30	18	32	17
17	15	7.7e	4.6e	6.9e	7.0e	3.8	28	53	24	18	25	13
18	15	7.6e	4.7e	7.1e	7.2e	3.8	34	63	24	16	20	13
19	31	7.8e	4.8e	7.3e	7.0e	3.8e	24	70	25	18	18	14
20	26	7.7e	5.0e	6.5e	7.0e	3.7e	26	94	23	17	20	15
21	22	7.8e	5.0e	6.5e	7.0e	3.6	28	94	22	17	18	17
22	20	7.7e	5.2e	6.6e	7.2e	3.4	28	84	24	17	18	18
23	18	7.6e	5.2e	6.6e	7.2e	4.7	26	59	25	16	19	15
24	18	7.5e	5.5e	6.9e	7.3e	5.3	28	40	23	18	20	13
25	17	7.4e	5.8e	6.9e	7.1e	6.6	22	38	21	22	25	13
26	16	7.3e	6.0e	6.8e	6.5e	8.2	24	33	21	22	22	13
27	16	6.9e	6.3	6.8e	6.0e	7.5	29	36	22	21	21	16
28	14	6.0e	6.3e	6.8e	5.7	7.1	31	23	22	20	19	15
29	14	5.8e	6.6	7.2	---	9.4	24	9.7	22	18	19	15
30	13	6.0e	6.4e	7.0	---	8.4	26	11	20	18	21	14
31	12	---	6.5	7.2	---	7.4	---	22	---	18	23	---
TOTAL	523	250.2	166.0	215.4	194.3	152.8	638.9	1174.7	886	629	657	497
MEAN	16.9	8.34	5.35	6.95	6.94	4.93	21.3	37.9	29.5	20.3	21.2	16.6
AC-FT	1040	496	329	427	385	303	1270	2330	1760	1250	1300	986
MAX	31	11	6.6	7.3	7.3	9.4	34	94	47	32	32	30
MIN	10	5.8	4.3	6.5	5.7	3.0	9.9	9.7	20	15	17	12
CAL YR	2005	TOTAL	22037.3	MEAN	60.4	MAX	682	MIN	2.0	AC-FT	43710	
WTR YR	2006	TOTAL	5984.3	MEAN	16.4	MAX	94	MIN	3.0	AC-FT	11870	

MAX DISCH: 124 CFS AT 03:30 ON May. 21, 2006 GH 4.22 FT. SHIFT 0 FT.
MAX GH: 4.83 FT. AT 08:45 ON Jan. 23, 2006 (Backwater from Ice)

FOR MORE COMPLETE OR DETAILED INFORMATION SEE DAILY OR MONTHLY RECORD.
e-Estimated

09370000 MANCOS RIVER NEAR MANCOS CO
WY2006 HYDROGRAPH



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ARKANSAS RIVER AT CANON CITY	175
ARKANSAS RIVER AT CATLIN DAM, NEAR FOWLER	195
ARKANSAS RIVER AT CATLIN DAM, NEAR FOWLER, CO (COMBINED)	199
ARKANSAS RIVER AT GRANITE	159
ARKANSAS RIVER AT LA JUNTA	205
ARKANSAS RIVER AT NEPESTA ROAD BRIDGE NEAR NEPESTA, CO	193
ARKANSAS RIVER AT PORTLAND	177
ARKANSAS RIVER AT SALIDA	169
ARKANSAS RIVER NEAR NEPESTA	191
ARKANSAS RIVER NEAR ROCKY FORD, CO	201
ARKANSAS RIVER NEAR WELLSVILLE	171
AURORA HOMESTAKE PIPELINE ABOVE ELEVENMILE RESERVOIR	113

B

BEAR CREEK AT MORRISON	25
BEAR CREEK AT MOUTH, AT SHERIDAN	27
BERTHOUD PASS DITCH AT BERTHOUD PASS	127
BIG SPRING CREEK AT MEDANO RANCH	299
BIG THOMPSON RIVER AT MOUTH NEAR LA SALLE	91
BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE	75
BIG THOMPSON RIVER(ABOVE LAKE ESTES) AT ESTES PARK	63
BIG THOMPSON RIVER(BELOW LAKE ESTES) NEAR ESTES PARK	67
BLANCO DIVERSION NEAR PAGOSA SPRINGS, CO	433
BLUE RIVER AT HIGHWAY 9 BRIDGE BELOW BRECKENRIDGE	389
BOB CREEK DITCH NEAR GLENDEVEY, CO	143
BOREAS PASS DITCH AT BOREAS PASS	117
BOULDER CREEK AT BOULDER	47
BOULDER CREEK FEEDER CANAL NEAR LYONS	85
BOULDER CREEK NEAR ORODELL	45
BOUSTEAD TUNNEL AT EAST PORTAL NEAR LEADVILLE	239
BUCKHORN CREEK NEAR MASONVILLE	77
BUSK-IVANHOE TUNNEL AT EAST PORTAL NEAR MALTA	241

C

CACHE LA POUDRE RIVER AT MOUTH OF CANYON, NEAR FORT COLLINS	93
CACHE LA POUDRE RIVER NEAR GREELEY	95
CAMERON PASS DITCH AT CAMERON PASS	135
CARNERO CREEK NEAR LA GARITA	301
CATLIN CANAL, NEAR FOWLER	197
CHALK CREEK AT NATHROP	167
CHAPMAN GULCH NEAR NAST, CO	401
CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON NEAR DRAKE	79
CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON RIVER	83
CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON NEAR DRAKE	81
CHERRY CREEK AT THE MOUTH NEAR RED MESA	461
CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR	161
CLEAR CREEK AT DERBY	31
CLEAR CREEK BELOW CLEAR CREEK RESERVOIR, NEAR GRANITE, CO	163
CLOSED BASIN PROJECT CANAL NEAR ALAMOSA	267
COAL CREEK NEAR PLAINVIEW	55
COLUMBINE DITCH NEAR FREEMONT PASS	229
CONEJOS RIVER BELOW PLATORO RESERVOIR	335
CONEJOS RIVER NEAR LASAUSES, CO (COMBINED)	349
CONEJOS RIVER NEAR LASAUSES, MAIN (NORTH) CHANNEL, CO	345
CONEJOS RIVER NEAR LASAUSES, SECONDARY (SOUTH) CHANNEL	347

CONEJOS RIVER NEAR MOGOTE	337
COTTON CREEK NEAR MINERAL HOT SPRINGS	275
COTTONWOOD CREEK AT BUENA VISTA	165
COTTONWOOD CREEK NEAR CRESTONE	293
CROOKED ARROYO NEAR SWINK	203
CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA	185
CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA, CO	187
CULEBRA CREEK AT SAN LUIS	351

D

DEADMAN CREEK NEAR CRESTONE	295
DEADMAN DITCH NEAR DEADMAN PARK	145
DILLE TUNNEL (EAST PORTAL) NEAR DRAKE	73
DOLORES RIVER BELOW MCPHEE RESERVOIR NEAR DOLORES	431
DOLORES TUNNEL OUTLET NEAR DOLORES, CO	427
DON LA FONT DITCH NO.2 AT PIEDRA PASS	363
DON LA FONT DITCH NO.1 AT PIEDRA PASS	361
DON LA FONT DITCH, COMBINED, AT PIEDRA PASS	365

E

EAST PORTAL HOOSIER PASS TUNNEL NEAR ALMA	115
EAST PORTAL MOFFAT TUNNEL NEAR ROLLINSVILLE	129
ENTERPRISE DITCH AT THE COLORADO-NEW MEXICO STATELINE	467
EWING DITCH AT TENNESSEE PASS	231

F

FISH CREEK NEAR ESTES PARK	65
FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO	449
FLORIDA RIVER BELOW LEMON RESERVOIR NEAR DURANGO	451
FRYINGPAN RIVER AT MEREDITH, CO	407
FRYINGPAN RIVER NEAR IVANHOE LAKE, CO	395
FRYINGPAN RIVER NEAR THOMASVILLE, CO	405

G

GARNER CREEK NEAR VILLA GROVE	271
GOOSE CREEK AT WAGONWHEEL GAP	253
GRAND RIVER DITCH AT LA POUDRE PASS	133
GRAPE CREEK NEAR WESTCLIFFE	173
GUNNISON RIVER BELOW REDLANDS DIVERSION DAM NEAR GRAND JUNCTION	387

H

HAROLD D. ROBERTS TUNNEL NEAR GRANT	119
HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	221
HOMESTAKE TUNNEL NEAR GOLD PARK	237
HORSE CREEK AT HIGHWAY 194 NR LAS ANIMAS, CO	207
HUERFANO RIVER AT BADITO	183
HUERFANO RIVER AT MANZANARES CROSSING NEAR REDWING	181

I

ILLINOIS RIVER NEAR RAND	421
IVANHOE CREEK NEAR NAST, CO	397

K

KERBER CREEK NEAR VILLA GROVE, CO	269
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L

LA GARITA CREEK NEAR LA GARITA	303
LA JARA CREEK AT GALLEGOS RANCH, NEAR CAPULIN	317

LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS, CO	455
LA PLATA RIVER AT COLORADO-NEW MEXICO STATE LINE	469
LA PLATA RIVER AT HESPERUS	459
LAKE CREEK ABOVE TWIN LAKES RESERVOIR	155
LAKE CREEK BELOW TWIN LAKES	157
LAKE FORK CREEK BELOW SUGAR LOAF DAM NEAR LEADVILLE	153
LARAMIE-POUDRE TUNNEL NEAR CHAMBERS LAKE	141
LARKSPUR DITCH NEAR MARSHALL PASS	245
LEFTHAND DIVERSION AT SO. ST. VRAIN CREEK NEAR WARD	39
LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO, CO	447
LITTLE OSO DIVERSION NEAR CHROMO, CO	445
LITTLE SPRING CREEK AT MEDANO RANCH NEAR MOSCA, CO	297
LITTLE THOMPSON RIVER AT CANYON MOUTH NEAR BERTHOUD	89
LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES, CO	429
LONG HOLLOW AT THE MOUTH NEAR RED MESA	463
LOS PINOS RIVER NEAR ORTIZ	341

M

MAJOR CREEK NEAR VILLA GROVE	273
MANCOS RIVER NEAR MANCOS	471
MICHIGAN DITCH AT CAMERON PASS	137
MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR	417
MICHIGAN RIVER NEAR WALDEN	419
MIDDLE BOULDER CREEK AT NEDERLAND	43
MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY, CO	35
MUDDY CREEK ABOVE PAONIA RESERVOIR	373
MUDDY CREEK BELOW MUDDY CREEK DAM NEAR TOONERVILLE, CO	225
MUDDY CREEK BELOW PAONIA RESERVOIR	375

N

NAVAJO RIVER AT BANDED PEAK RANCH, NEAR CHROMO	439
NAVAJO RIVER BELOW OSO DIVERSION DAM, NEAR CHROMO	443
NINEMILE CANAL BELOW NINEMILE DAM NEAR HIGBEE	215
NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR	249
NORTH CRESTONE CREEK NEAR CRESTONE	285
NORTH FORK BIG THOMPSON RIVER AT DRAKE	71
NORTH FORK FRYINGPAN RIVER NEAR NORRIE, CO	403
NORTH FORK SOUTH PLATTE RIVER BELOW GENEVA CREEK, AT GRANT	15
NORTON DRAIN NEAR LA SAUSES	321

O

OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES	69
OSO DIVERSION NEAR CHROMO, CO	441
OXFORD FARMERS DITCH NEAR NEPESTA, CO	189

P

PINE RIDGE DITCH NEAR HESPERUS, CO	457
PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS	369
PINOS CREEK NEAR DEL NORTE	259
PIONEER DITCH AT COLORADO-NEBRASKA STATE LINE	151
PIONEER DITCH AT HEADGATE NEAR LAIRD	149
PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE	465
POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL, UT	425
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE	213
PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE, CO (COMBINED)	217
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	223
PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS, CO	219
PURGATORIE RIVER AT TRINIDAD, CO	211

R

RATON CREEK ABOVE STARKVILLE, CO	209
REDLANDS CANAL NEAR GRAND JUNCTION	383
RIO BLANCO AT MOUTH NEAR TRUJILLO	437
RIO BLANCO BELOW BLANCO DIVERSION DAM, NEAR PAGOSA SPRINGS	435

RIO GRANDE ABOVE MOUTH OF TRINCHERA CREEK, NEAR LASAUSES	323
RIO GRANDE AT ALAMOSA	265
RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE, CO	263
RIO GRANDE AT THIRTYMILE BRIDGE, NEAR CREEDE	247
RIO GRANDE NEAR DEL NORTE	257
RIO GRANDE NEAR LOBATOS	353
RIO GRANDE NEAR MONTE VISTA	261
RIO GRANDE RIVER AT WAGONWHEEL GAP, CO.	251
RITO ALTO CREEK NEAR CRESTONE	279
ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN	393
ROCKY FORK CREEK NEAR MEREDITH	409
RULE CREEK AT HWY 101 NEAR TOONERVILLE CO	227

S

SAGUACHE CREEK NEAR SAGUACHE	283
SAN ANTONIO RIVER AT MOUTH, NEAR MANASSA	343
SAN ANTONIO RIVER AT ORTIZ	339
SAN ISABEL CREEK NEAR CRESTONE	281
SANGRE DE CRISTO CREEK NEAR FORT GARLAND	329
SKYLINE DITCH NEAR CHAMBERS LAKE	139
SNAKE RIVER AT KEYSTONE SKI AREA	391
SOUTH BOULDER CREEK BELOW GROSS RESERVOIR NEAR COAL CREEK	49
SOUTH BOULDER CREEK DIVERSION NEAR ELDORADO SPRINGS	51
SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS	53
SOUTH CANAL NEAR MONTROSE	379
SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES	319
SOUTH CRESTONE CREEK NEAR CRESTONE	287
SOUTH FORK FRYINGPAN RIVER AT UPPER STATION NEAR NORRIE, CO	399
SOUTH FORK RIO GRANDE AT SOUTH FORK	255
SOUTH FORK SOUTH PLATTE RIVER BELOW ANTERO RESERVOIR	1
SOUTH PLATTE RIVER ABOVE ELEVENMILE CANYON RESERVOIR, NEAR HARTSEL	5
SOUTH PLATTE RIVER ABOVE SPINNEY MOUNTAIN RESERVOIR	3
SOUTH PLATTE RIVER AT BALZAC	101
SOUTH PLATTE RIVER AT DENVER	29
SOUTH PLATTE RIVER AT HENDERSON	33
SOUTH PLATTE RIVER AT JULESBURG	109
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 1	105
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 2	103
SOUTH PLATTE RIVER AT JULESBURG, CO. CHANNEL NO 4	107
SOUTH PLATTE RIVER AT SOUTH PLATTE	17
SOUTH PLATTE RIVER AT WATERTON	21
SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR	23
SOUTH PLATTE RIVER BELOW CHEESMAN LAKE	13
SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS RESERVOIR	19
SOUTH PLATTE RIVER NEAR KERSEY	97
SOUTH PLATTE RIVER NEAR WELDONA	99
SOUTH PLATTE RIVER(BELOW ELEVENMILE RESERVOIR) NEAR LAKE GEORGE	7
SOUTH ST. VRAIN CREEK NEAR WARD	37
SPANISH CREEK NEAR CRESTONE	291
ST. VRAIN CREEK AT LYONS	41
ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE	57
ST. VRAIN SUPPLY CANAL NEAR LYONS	87
STRAIGHT CREEK TUNNEL AT EAST PORTAL EISENHOWER TUNNEL	121

T

TABOR DITCH AT SPRING CREEK PASS	357
TARBELL DITCH NEAR COCHETOPA PASS	355
TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON	9
TARRYALL CREEK BELOW TARRYALL RESERVOIR	11
TREASURE PASS DITCH AT WOLF CREEK PASS	359
TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR	327
TRINCHERA CREEK ABOVE TURNERS RANCH, NEAR FORT GARLAND	325
TRINCHERA CREEK BELOW SMITH RESERVOIR, NEAR BLANCA	333
TWIN LAKES TUNNEL AT EAST PORTAL NEAR TWIN LAKES	243

U

UNCOMPAHGRE RIVER NEAR OLATHE	381
UTE CREEK NEAR FORT GARLAND	331

V

VIDLER TUNNEL NEAR ARGENTINE PASS	125
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W

WALTON CREEK NEAR STEAMBOAT SPRINGS, CO	415
WEMINUCHE PASS DITCH AT WEMINUCHE PASS	371
WEST DIVIDE CREEK NEAR RAVEN	411
WIGHTMAN FORK AT MOUTH NEAR JASPER, CO	309
WIGHTMAN FORK BELOW CROPSY CREEK, NEAR SUMMITVILLE, CO	307
WILD CHERRY CREEK NEAR CRESTONE	277
WILLIAMS CREEK-SQUAW PASS DITCH AT SQUAW PASS	367
WILLIAMS FORK AT MOUTH NEAR HAMILTON, CO	423
WILLOW CREEK NEAR CRESTONE	289
WILSON SUPPLY DITCH NEAR EATON RESERVOIR	147
WIND RIVER BY-PASS NEAR ESTES PARK, CO.	61
WIND RIVER NEAR ESTES PARK	59
WURTZ DITCH EXTENSION NEAR LEADVILLE	235
WURTZ DITCH NEAR TENNESSEE PASS	233

Y

YAMPA RIVER ABOVE LAKE CATAMOUNT	413
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2006 Water Year Stream Flow Data on CD

Mean daily flow values for gaging stations are available on a CD upon request from this Office. Each station's data are in a file named by an eight-character station identification code, followed by the filename extension "H??", where the ?? represents the year being searched. For example, the values for "Clear Creek at Derby, Colorado water year 2006 are in the file "CLEDERCO.H2006". A list of the eight character codes follows.

The files contain ASCII text information. There are two columns. The first column is the number of the day of the water year, and the second is that day's mean flow. October 1 is day number 1. September 30 is day 365, except in leap years when there would be 366 days. The first line of some "H" files may contain information on the instantaneous peak for the water year.

Station Identification Codes for Data on Diskette and CD

DIV I

CODE	NAME
ADATUNCO	ALVA B. ADAMS TUNNEL AT EAST PORTAL, NEAR ESTES PARK
BCRMORCO	BEAR CREEK AT MORRISON
BCRSHECO	BEAR CREEK AT SHERIDAN
BERDITCO	BERTHOUD PASS DITCH AT BERTHOUD PASS
BFCLYOCO	BOULDER CREEK FEEDER CANAL NEAR LYONS
BIGLASCO	BIG THOMPSON AT MOUTH, NEAR LA SALLE
BOBGLNCO	BOB CREEK DITCH NEAR GLENDEVEY
BOCBGRCO	SOUTH BOULDER CREEK BELOW GROSS RESERVOIR
BOCELSCO	SOUTH BOULDER CREEK NEAR ELDORADO SPRINGS
BOCMIDCO	MIDDLE BOULDER CREEK AT NEDERLAND
BOCOROCO	BOULDER CREEK NEAR ORODELL
BOCOBOCO	BOULDER CREEK AT BOULDER
BORDITCO	BOREAS PASS DITCH AT BOREAS PASS
BOSDELCO	SOUTH BOULDER CREEK, DIVERSION NR ELDORADO SPRINGS
BTABESCO	BIG THOMPSON RIVER ABOVE LAKE ESTES
BTBLESCO	BIG THOMPSON RIVER BELOW LAKE ESTES
BTCANYCO	BIG THOMPSON RIVER AT MOUTH OF CANYON, NEAR DRAKE
BTPPMCCO	CHARLES HANSEN FEEDER CANAL POWER PLANT TO BIG THOMPSON
BUCRMVCO	BUCKHORN CREEK NEAR MASONVILLE
BTNFDRCO	NORTH FORK BIG THOMPSON RIVER AT DRAKE
CAPDCPCO	CAMERON PASS DITCH NEAR CAMERON PASS
CLAFTCCO	CACHE LA POUFRE AT CANYON MOUTH, NEAR FORT COLLINS
CLAGRECO	CACHE LA POUFRE NEAR GREELEY
CLEDERCO	CLEAR CREEK AT DERBY
COCREPCO	COAL CREEK NEAR PLAINVIEW
DEADDPKO	DEADMAN DITCH NEAR DEADMAN PARK
DILTUNCO	DILLE TUNNEL NEAR DRAKE
FISHESCO	FISH CREEK NEAR ESTES PARK
GRNDRDCO	GRAND RIVER DITCH AT LA POUFRE PASS
GUMCLRCO	A.P. GUMBLICK TUNNEL RELEASE TO CLEAR CREEK AT JONES PASS
HFCBBSCO	CHARLES HANSEN FEEDER CANAL BELOW BIG THOMPSON SIPHON
HFCWASCO	CHARLES HANSEN FEEDER CANAL WASTEWAY TO BIG THOMPSON
HOMSPICO	AURORA HOMESTAKE PIPELINE
HSPTUNCO	HOOSIER PASS TUNNEL AT MONTGOMERY RES., NEAR ALMA
LAPTUNCO	LARAMIE POUFRE TUNNEL
LEFTHDCO	LEFTHAND DIVERSION S. ST. VRAIN CREEK NEAR WARD
LTCANYCO	LITTLE THOMPSON RIVER AT CANYON MOUTH, NEAR BERTHOUD
MICDCPCO	MICHIGAN DITCH AT CAMERON PASS
MIDSTECO	MIDDLE ST. VRAIN CREEK NR. PEACEFUL VALLEY
MOFTUNCO	MOFFAT WATER TUNNEL, GILPIN COUNTY
OLYTUNCO	OLYMPUS TUNNEL (ESTES FOOTHILLS CANAL) AT LAKE ESTES
ONEJURCO	SOUTH PLATTE RIVER AT JULESBURG CHANNEL #1
PIOHDGCO	PIONEER DITCH AT HEADGATE
PIOSTLCO	PIONEER DITCH AT CO/NE STATE LINE
PLAANTCO	SOUTH PLATTE RIVE BELOW ANTERO RESERVOIR
PLABALCO	SOUTH PLATTE RIVER AT COOPER BRIDGE, NEAR BALZAC
PLACHACO	SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR
PLACHECO	SOUTH PLATTE RIVER BL. CHEESMAN RESERVOIR
PLADENCO	SOUTH PLATTE RIVER AT DENVER
PLAGEOCO	SOUTH PLATTE RIVER NEAR LAKE GEORGE
PLAGRACO	NORTH FORK SOUTH PLATTE RIVER AT GRANT
PLAHARCO	SOUTH PLATTE RIVER ABOVE ELEVENMILE RESERVOIR

PLAHENCO	SOUTH PLATTE RIVER AT HENDERSON
PLAJUCCO	SOUTH PLATTE RIVER AT JULESBURG COMBINED
PLAJULCO	SOUTH PLATTE RIVER AT JULESBURG LEFT CHAN. #4
PLAJURCO	SOUTH PLATTE RIVER AT JULESBURG RIGHT CHAN. #2
PLAKERCO	SOUTH PLATTE RIVER NEAR KERSEY
PLASPCO	SOUTH PLATTE RIVER ABOVE SPINNEY RESERVOIR
PLASPLCO	SOUTH PLATTE RIVER AT SOUTH PLATTE
PLASTRCO	SOUTH PLATTE RIVER BELOW STRONTIA SPRINGS
PLAWATCO	SOUTH PLATTE RIVER AT WATERTON
PLAWELCO	SOUTH PLATTE RIVER NEAR WELDONA
ROBTUNCO	ROBERTS TUNNEL AT EAST PORTAL NEAR GRANT
SKYDCLCO	SKYLINE DITCH AT CHAMBERS LAKE
SSVWARCO	SOUTH ST. VRAIN NEAR WARD
STCTUNCO	STRAIGHT CREEK TUNNEL AT EISENHOWER TUNNEL
SVCLYOCO	SAINT VRAIN CREEK AT LYONS
SVCPLACO	ST. VRAIN CREEK AT MOUTH, NEAR PLATTEVILLE
SVSLYOCO	ST. VRAIN SUPPLY CANAL NEAR LYONS
TARBORCO	TARRYALL CREEK AT BORDEN DITCH NEAR JEFFERSON
TARTARCO	TARRYALL CREEK BELOW TARRYALL RESERVOIR
VIDTUNCO	VIDLER TUNNEL NEAR ARGENTINE PASS
WINDESCO	WIND RIVER NEAR ESTES PARK
WINBYPCO	WIND RIVER BY-PASS NEAR ESTES PARK
WSDEARCO	WILSON SUPPLY DITCH NEAR EATON RESERVOIR

DIV II

CODE	NAME
ARKCACCO	ARKANSAS RIVER AND CATLIN CANAL COMBINED
ARKCANCO	ARKANSAS RIVER AT CANYON CITY
ARKCATCO	ARKANSAS RIVER BELOW CATLIN DAM NEAR FOWLER
ARKGRNCO	ARKANSAS RIVER AT GRANITE
ARKLAJCO	ARKANSAS RIVER AT LA JUNTA
ARKNEPCO	ARKANSAS RIVER NEAR NEPESTA
ARKNECCO	ARKANSAS RIVER AT NEPESTA ROAD BRIDGE COMBINED
ARKPORCO	ARKANSAS RIVER AT PORTLAND
ARKPUECO	ARKANSAS RIVER ABOVE PUEBLO
ARKROCCO	ARKANSAS RIVER AT ROCKY FORD
ARKSALCO	ARKANSAS RIVER AT SALIDA
ARKWELCO	ARKANSAS RIVER NEAR WELLSVILLE
BOUTUNCO	CHARLES H. BOUSTEAD TUNNEL
BUSTUNCO	BUSK-IVANHOE TUNNEL
CATCANCO	CATLIN CANAL AT CATLIN DAM, NEAR FOWLER
CANSWKCO	CROOKED ARROYO NEAR SWINK
CCACCRCO	CLEAR CREEK ABOVE CLEAR CREEK RESERVOIR
CCBCCRCO	CLEAR CREEK BELOW CLEAR CREEK RESERVOIR
CHCRNACO	CHALK CREEK AT NATHROP
COLDITCO	COLUMBINE DITCH
COCRBVCO	COTTONWOOD CREEK NEAR BUENA VISTA
CRBRLVCO	CUCHARAS RIVER AT BOYD RANCH NEAR LA VETA
CRHBLVCO	CUCHARAS RIVER AT HARRISON BRIDGE NEAR LA VETA
EWIDITCO	EWING DITCH
GRAWESCO	GRAPE CREEK NEAR WESTCLIFFE
HILCANCO	HIGHLAND CANAL BELOW HIGHLAND DAM NEAR LAS ANIMAS
HOMTUNCO	HOMESTAKE TUNNEL
HRC194CO	HORSE CREEK AT HIGHWAY 194
HURREDCO	HUERFANO RIVER NEAR REDWING
LAKATLCO	LAKE CREEK ABOVE TWIN LAKES RESERVOIR
LAKBTLCO	LAKE CREEK BELOW TWIN LAKES RESERVOIR
LARDITCO	LARKSPUR DITCH AT MARSHALL PASS
LFCBSLCO	LAKE FORK CREEK BELOW SUGAR LOAF DAM NR. LEADVILLE
NMCHIGCO	NINEMILE CANAL AT NINEMILE DAM NEAR HIGBEE
OXFDITCO	OXFORD FARMERS DITCH NEAR NEPESTA
PURHILCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS
PURHICCO	PURGATOIRE RIVER BELOW HIGHLAND DAM NEAR LAS ANIMAS (COMBINED)
PURNICCO	PURGATOIRE R AT NINEMILE DAM, NR HIGBEE COMBINED
PURNINCO	PURGATOIRE RIVER AT NINEMILE DAM, NEAR HIGBEE
PURTRICO	PURGATOIRE RIVER AT TRINIDAD
RACRSTCO	RATON CREEK ABOVE STARKVILLE
TWITUNCO	TWIN LAKES TUNNEL
WURDITCO	WURTZ DITCH NEAR TENNESSEE PASS
WUREXTCO	WURTZ EXTENSION DITCH NEAR TENNESSEE PASS

DIV III

CODE	NAME
ALABELCO	ALAMOSA CREEK BELOW TERRACE RESERVOIR
ALARANCO	ALAMOSA RIVER BELOW RANGER CREEK
ALATERCO	ALAMOSA CREEK ABOVE TERRACE RESERVOIR
ALAWIGCO	ALAMOSA RIVER ABOVE WIGHTMAN FORK NEAR JASPER
BIGSPGCO	BIG SPRING CREEK AT MEDANO RANCH
CARLAGCO	CARNERO CREEK NEAR LA GARITA
CBPALACO	CLOSED BASIN PROJECT CANAL NEAR ALAMOSA
CHECRECO	CHERRY CREEK NEAR CRESTONE
COCRMICO	COTTON CREEK NEAR MINERAL HOT SPRINGS
COCRESCO	COTTONWOOD CREEK NEAR CRESTONE
CONLASCO	COMBINED CONEJOS RIVER (NORLASCO SOULASCO)
CONMOGCO	CONEJOS RIVER NEAR MOGOTE
CONPLACO	CONEJOS RIVER BELOW PLATORO RESERVOIR
CULSANCO	CULEBRA CREEK AT SAN LUIS
DEDCRECO	DEADMAN CREEK NEAR CRESTONE
DLFCMBCO	DON LA FONT DITCH, COMBINED, AT PIEDRA PASS
DLFDT1CO	DON LA FONT DITCH NO. 1 AT PIEDRA PASS
DLFDT2CO	DON LA FONT DITCH NO. 2 AT PIEDRA PASS
GARVILCO	GARNER CREEK NEAR VILLA GROVE
GOOWAGCO	GOOSE CREEK AT WAGONWHEEL GAP
KERVILCO	KERBER CREEK NEAR VILLA GROVE
LAGLAGCO	LA GARITA CREEK NEAR LA GARITA
LAJCAPCO	LAJARA CREEK AT GALLEGOS RANCH NEAR CAPULIN
LOSORTCO	LOS PINOS RIVER NEAR ORTIZ
LITSPGCO	LITTLE SPRING CREEK AT MEDANO RANCH
MAJVILCO	MAJOR CREEK NEAR VILLA GROVE
NCLCONCO	NORTH CLEAR CREEK BELOW CONTINENTAL RESERVOIR
NOCRESCO	CRESTONE CREEK, NORTH NEAR CRESTONE
NORDLSCO	NORTON DRAIN NEAR LA SAUSES
NORDSCCO	SOUTH CHANNEL NORTON DRAIN DITCH NEAR LA SAUSES
NORLASCO	NORTH CHANNEL CONEJOS RIVER NEAR LASAUSES
PINDELCO	PINOS CREEK NEAR DEL NORTE
PRWDITCO	PINE RIVER WEMINUCHE PASS DITCH AT WEMINUCHE PASS
RIOALACO	RIO GRANDE RIVER AT ALAMOSA
RIODELCO	RIO GRANDE NEAR DEL NORTE
RIOLINCO	RIO GRANDE AT RIO GRANDE-ALAMOSA COUNTY LINE
RIOLOBCO	RIO GRANDE NEAR LOBATOS
RIOMILCO	RIO GRANDE AT THIRTY MILE BRIDGE
RIOMONCO	RIO GRANDE AT MONTE VISTA
RIOWAGCO	RIO GRANDE RIVER AT WAGONWHEEL GAP
RIOSFKCO	SOUTH FORK RIO GRANDE RIVER AT SOUTH FORK
RITCRECO	RITO ALTO CREEK NEAR CRESTONE
RIOTRICO	RIO GRANDE RIVER ABOVE THE MOUTH OF TRINCHERA CREEK
SAGSAGCO	SAGUACHE CREEK NEAR SAGUACHE
SANCRECO	SAN ISABEL CREEK NEAR CRESTONE
SANFTGCO	SANGRE DE CRISTO CREEK NEAR FT. GARLAND
SANMANCO	SAN ANTONIO RIVER NEAR MANASSA
SANORTCO	SAN ANTONIO RIVER AT ORTIZ
SOUCRECO	SOUTH CRESTONE CREEK NEAR CRESTONE
SOULASCO	SOUTH CHANNEL CONEJOS RIVER NEAR LASAUSES
SPACRECO	SPANISH CREEK NEAR CRESTONE
TABDITCO	TABOR DITCH AT SPRING CREEK PASS
TARBELCO	TARBELL DITCH NEAR COCHETOPA PASS
TREDITCO	TREASURE PASS DITCH AT WOLF CREEK PASS
TRIMTNCO	TRINCHERA CREEK ABOVE MOUNTAIN HOME RESERVOIR
TRISMICO	TRINCHERA CREEK BELOW SMITH RESERVOIR
TRITURCO	TRINCHERA CREEK AB. TURNER'S RANCH
UTEFTGCO	UTE CREEK NEAR FORT GARLAND
WCSDITCO	WILLIAM'S CREEK-SQUAW PASS DITCH AT SQUAW PASS
WEMDITCO	WEMINUCHE PASS DITCH AT WEMINUCHE PASS
WFKCROCO	WIGHTMAN FORK BELOW CROPSY CREEK NEAR SUMMITVILLE
WFKMOUCO	WIGHTMAN FORK AT MOUTH AT ALAMOSA RIVER
WILCRECO	WILLOW CREEK NEAR CRESTONE

DIV IV

CODE	NAME
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ABCLATCO	ABC LATERAL
GUNREDCO	GUNNISON RIVER BELOW REDLANDS DIVERSION DAM
MUDAPRCO	MUDDY CREEK ABOVE PAONIA RESERVOIR
MUDBPRCO	MUDDY CREEK BELOW PAONIA RESERVOIR
RLCGRJCO	REDLANDS CANAL NR GRAND JUNCTION
SOUCANCO	SOUTH CANAL NR MONTROSE
UNCOLACO	UNCOMPAHGRE RIVER NEAR OLATHE

DIV V

CODE	NAME
BLUNINCO	BLUE RIVER AT HIGHWAY 9 BRIDGE
SNAKEYCO	SNAKE RIVER BELOW KEYSTONE SNOWMAKING DIVERSION
ROABMCCO	ROARING FORK RIVER BELOW MAROON CREEK NEAR ASPEN
FRYIVLCO	FRYINGPAN RIVER NEAR IVANHOE LAKE
IVCRNACO	IVANHOE CREEK NEAR NAST
FRYSFUCO	SOUTH FORK FRYINGPAN RIVER AT UPPER STATION
CHAGULCO	CHAPMAN GULCH NEAR NAST
FRYNFNCO	NORTH FORK FRYINGPAN RIVER NEAR NORRIE
FRYTHOCO	FRYINGPAN RIVER NEAR THOMASVILLE
FRYMERCO	FRYINGPAN RIVER AT MEREDITH
RFCMERCO	ROCKY FORK CREEK NEAR MEREDITH
WSDRAVCO	WEST DIVIDE CREEK NEAR RAVEN

DIV VI

CODE	NAME
ILLRANCO	ILLINOIS RIVER NEAR RAND
MICMERCO	MICHIGAN RIVER NEAR MEADOW CREEK RESERVOIR
MICWLDKO	MICHIGAN RIVER NEAR WALDEN
PTCKSLCO	POT CREEK AT UTAH-COLORADO STATELINE NEAR VERNAL
WLTNCKCO	WALTON CREEK NEAR STEAMBOAT SPRINGS
WMFKHMCO	WILLIAMS FORK AT MOUTH NEAR HAMILTON
YAMABVCO	YAMPA RIVER ABOVE LAKE CATAMOUNT

DIV VII

CODE	NAME
ANIHOWCO	ANIMAS RIVER NEAR HOWARDSVILLE
BLADIVCO	BLANCO DIVERSION NEAR PAGOSA SPRINGS
CHEREDCO	CHERRY CREEK AT THE MOUTH NEAR RED MESA
DOLEBMCCO	DOLORES RIVER BELOW MCPHEE RESERVOIR
DOLTUNCO	DOLORES TUNNEL OUTLET NEAR DOLORES
ENTDITCO	ENTERPRISE DITCH AT THE COLO-NEW MEXICO STATELINE
FLOALECO	FLORIDA RIVER ABOVE LEMON RESERVOIR NEAR DURANGO
FLOBLECO	FLORIDA RIVER BELOW LEMON RESERVOIR
LAPHESCO	LA PLATA RIVER AT HESPERUS
LAPMEXCO	LA PLATA RIVER AT THE COLORADO/NEW MEXICO LINE
LITOSOCO	LITTLE NAVAJO RIVER BELOW LITTLE OSO DIVERSION DAM NEAR CHROMO
LONREDCO	LONG HOLLOW AT THE MOUTH NEAR RED MESA
LOSODVCO	LITTLE OSO DIVERSION NEAR CHROMO
LPCDITCO	LA PLATA AND CHERRY CREEK DITCH NEAR HESPERUS
MANMANCO	MANCOS RIVER NEAR MANCOS
MVIDIVCO	LONE PINE CANAL BELOW GREAT CUT DIKE NEAR DOLORES
NAVBANCO	NAVAJO RIVER AT BANDED PEAKS RANCH NEAR CHROMO
NAVOSOCO	NAVAJO RIVER BELOW OSO DIVERSION DAM NEAR CHROMO
OSODIVDO	OSO DIVERSION NEAR CHROMO
PINDITCO	PINE RIDGE DITCH NEAR HESPERUS
PIODITCO	PIONEER DITCH AT THE COLORADO-NEW MEXICO STATELINE
RIOBLACO	RIO BLANCO BELOW BLANCO DIVERSION DAM NEAR PAGOSA
RIOMOUCO	RIO BLANCO AT THE MOUTH NEAR TRUJILLO